

prof. Miroslav Radman

Curriculum Vitae

Born April 30, 1944 in Split (Croatia). Citizen of Croatia and France. Languages spoken: Croatian, French, English, German and Italian.

Studies and Degrees: **1962-66:** B. Sc. in experimental biology and physical chemistry, University of Zagreb, Yugoslavia. **1966-67:** Graduate studies in molecular biology, same University. **1967-69:** Graduate research in Department of Molecular Biology, Free University of Brussels, Belgium. **1969:** Ph.D. from the Free University of Brussels, Belgium.

Positions held: **1965-67:** Part-time research assistant to Professor Ivan Supek, Institute for Philosophy of Science and Peace Research. Zagreb. Experimental work with Dr.M. Drakulic (Institute Ruder Boskovic Zagreb, Croatia). **1967-69:** Pre-doctoral research fellow with Professors M. Errera and R.Thomas, Dept. of Molecular Biology, Free University of Brussels, Belgium. **1969-70:** Post-doctoral research fellow with Professor R. Devoret, CNRS, Gif-sur-Yvette, France. **1970-73:** Post-doctoral Research Fellow with Professor M. Meselson, Dept. of Biochemistry and Molecular Biology, Harvard University, Cambridge, Ma, U.S.A. **1972:** Associate Professor of Molecular Genetics, Department of Molecular Biology, Free University of Brussels. **1973-83:** Tenured Research Professor and head of the Laboratory of Enzymology of DNA (Same institution). **1983-98:** Research Director of the French CNRS, Institute Jacques Monod (University Paris 7, Paris). **1988 / 90:** Visiting Scientist, National Institutes of Environmental Health Sciences, N.I.H., Research Triangle Park, NC 27709, USA. **1998:** Professor of Cell Biology, Medical School "Necker - Enfants Malades", Université Paris 5. **1999:** Director, INSERM research unit U571 "Medical and evolutionary molecular genetics". **2004:** Special Science Adviser to the Prime Minister of Croatia. **2008:** Exceptional class Professor of Cell Biology at the R. Descartes-Paris-5 School of Medicine.

Research: Received over 80 research grants, 7 patents, 191 publications in the areas of DNA repair, replication, mutagenesis, genetic recombination, evolution of species, carcinogenesis and aging.

Citations: 3 discoveries present in most of molecular biology and genetics textbooks worldwide; about 15.000 citations and up to 205.000 Google entries.

Funding: 240.000 euro per year from Inserm and a 2.5 million euro industrial grant to M. R. "with no strings attached" derived from the patent on inter-species recombination (received in 2004). The Unit receives about 500.000 euro from grants allocated to I. Matic and F. Taddei.

A personal style: Although an outspoken critic of the establishment, known for his special personal style (an *enfant terrible* with humor), this PI was always a careful and cautious research scientist who never had to correct a single sentence from his published papers. The exceeding cautiousness caused belated publication, in books, of his two most fundamental discoveries: SOS and mismatch repair (see below), such that he is not cited for them (which would count in tens of thousands of citations). This is particularly true for mismatch repair. The isolation of first mismatch repair mutants was published in PNAS, and the first experiment of transfection with reconstituted hemimethylated heteroduplex DNA in a congress book, both in 1980.

The finding that the sterile crosses between *Escherichia* and *Salmonella* genera become fertile when the female cell is mismatch repair deficient was a world-wide boom, that was reinforced by later finding that the amount of two proteins, MutS and MutL, determines the gene flow between bacterial species: genetic barriers can be eliminated or generated depending on the amount of MutSL proteins. This fundamental work brought about construction of the most efficient "gene machine": a ϕ phage that can recombine cloned similar but sequence-diverged genes from any species and generate overnight a new family of millions of new mosaic genes per plate. This patented work brought 3 M USD of research money to the laboratory allowing acquisition of a

powerful microscopic equipment that shifted our research capacity to the level of world's top fluorescent microscopy of bacterial cells.

10-Year-Track-Record

A list of the top 10 publication as senior author

A comment: M.R.'s publication record is by itself original to say the least. His most important conceptual discovery - the SOS response - was published in a conference proceeding (M. Radman "Phenomenology of an inducible mutagenic DNA repair: SOS repair hypothesis" in *Molecular and environmental aspects of mutagenesis*, Eds Prakash et al., Thomas Publ. 1974). The first experiment showing the existence of methyl-directed mismatch repair was also published in a conference proceeding (Radman, Wagner, Glickman and Meselson "DNA methylation, mismatch correction and genetic stability" in *Progress in Environmental Mutagenesis*, Ed M. Alacevic, Elsevier Publ. 1980). PI's by far best experimental paper, probably one of most sophisticated papers in molecular genetics accepted and published within 3 weeks (Jones, Wagner & Radman "Mismatch repair and recombination in *E. coli*" *Cell* (1987) **50**: 621) was almost never quoted! But this paper that led PI to hypothesize the definition of the genetic barrier between closely related bacterial species (Rayssiguier, Thaler & Radman, *Nature* **342** (1989) 396), confirmed later in meiotic sterility experiments in yeast, got the world-wide scientific and public media acclamation.

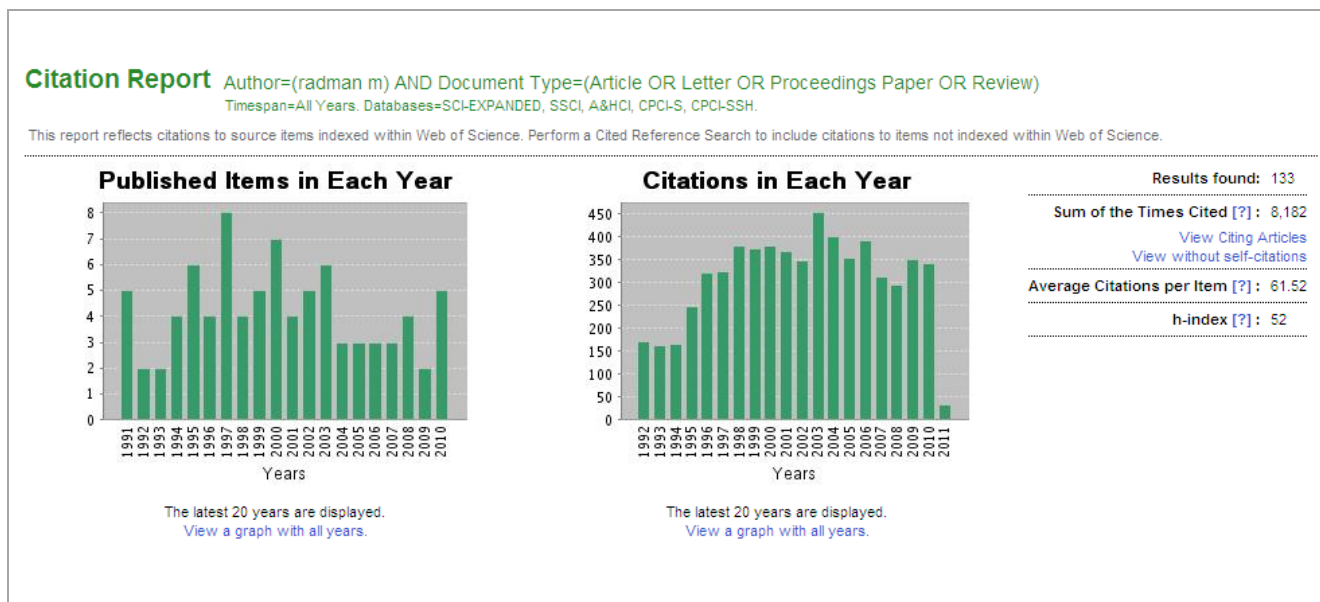
I recognize that my own most productive period started when my former students I. Matic and F. Taddei rapidly became collaborating colleagues (cca from 1995); that period is in still blossoming.

In the below selected list of papers, I avoided some important papers where my colleagues' impact was not equalled by mine.

Average citations per paper: 61, 52

H-index: 52

From 1996 to 2010 there is an uninterrupted citation between 300 and 400 times per year.



Most recent publications

- Title: [Oxidative stress resistance in *Deinococcus radiodurans*](#). Slade D, Radman M, **MICROBIOLOGY MOL BIOL REV 75(1):133-191 (2011)**
- Title: [RecA protein assures fidelity of DNA repair and genome stability in *Deinococcus radiodurans*](#) Repar J, Cvjetan S, Slade D, Radman M et al. **DNA Repair (Amst.) 9(11) :1151-1161 (2010)**

3. Title : [Unstructured hydrophilic sequences in prokaryotic proteomes correlate with dehydration tolerance and host association](#) Krisko A, Smole Z, Debret G, Nikolic N, Radman M. **J MOL BIOL** 405(5):775-782 (2010)
4. Title: [Protein damage and death by radiation in Escherichia coli and Deinococcus radiodurans](#) . Krisko A, Radman M, **PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA** 107(32):14373-14377 (2010) Times Cited: 1 (0 self citation), **IF=9,432**
5. Title: [Seeing Mutations in Living Cells](#). Elez M, Murray AW, Bi LJ, et al. **CURRENT BIOLOGY** 20(16):1432-1437 (2010) Times Cited: 1(0 self citation), **IF=10,992**
6. Title: [Recombination and Replication in DNA Repair of Heavily Irradiated Deinococcus radiodurans](#) Slade D, Lindner AB, Paul G, Radman M, **CELL** 136(6):1044-1055 2009 Times Cited: 28 (0 self citation), **IF= 31,152**
7. Title: [The lambda Red proteins promote efficient recombination between diverged sequences: Implications for bacteriophage genome mosaicism](#) Martinsohn JT, Radman M, Petit MAS, **PLOS GENETICS** 4:5 Article Number: e1000065 (2008) Times Cited: 9 (0 self citation), **IF=9,532**
8. Title: [Direct visualization of horizontal gene transfer](#) Babic A, Lindner AB, Vulic M, Stewart, E, Radman M, **SCIENCE** 319 (5869): 1533-1536 (2008) Times Cited:32 (0 self citation), **IF=29.747**
9. Title: [The frequency and structure of recombinant products is determined by the cellular level of MutL](#) Elez M, Radman M, Matic I, **PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA** 104 (21): 8935-8940 (2007) Times Cited: 6 (2 self citations) **IF=9,432**
10. Title: [Reassembly of shattered chromosomes in Deinococcus radiodurans](#) Zahradka K, Slade D, Bailone A, Sommer, S, Averbek, D, Petranovic, M, Lindner, AB, Radman M, **NATURE** 443 (7111): 569-573 (2006) Times Cited: 102 (3 self citations) **IF=34,480**
11. Title: [Bacterial sex: Playing voyeurs 50 years later](#) Kohiyama M, Hiraga S, Matic I, Radman M, **SCIENCE** 301(5634) 802-803 (2003) Times Cited: 9 (1 self citation), **IF=29,747**
12. Title: [Stress-induced mutagenesis in bacteria](#) Bjedov I, Tenailon O, Gerard B, Souza V, Denamur E, Radman M, Taddei F, Matic I, **SCIENCE** 300 (5624):1404-1409 (2003) Times Cited:161 (1 self citation), **IF=29,747**
13. Title: [Molecular biology - Specialized DNA polymerases, cellular survival, and the genesis of mutations](#) Friedberg EC, Wagner R, Radman M, **SCIENCE** 296 (5573) :1627-1630(2002) Times Cited: 246 (2 self citations), **IF=29,747**

Books

- E.C. Friedberg “Correcting the Blueprint of Life: An historical account of the discovery of DNA repair mechanisms”, Cold Spring Harbor Laboratory Press, 1997 (two out of five chapters)
- M. Radman « Au delà de nos limites biologiques » (Beyond our biological limits), Le Plon, Paris, June 2011.

Granted patents

- French patent N° FR2948125 (A1) (21 janvier 2011) by: Z. Dermanovic, M. Radman, “*Procédes d’Etablissement de Symbioses*”.
- French patent N° FR2923491 (A1) (15 mai 2009) by: M. Radman, C. Rayssiguier, “*Procede de Recombinaison in Vivo de Sequences d’ADN Presentant des Mesappariements de Bases* »
- French patent N° PCT/FR2008/000318 (12 mars 2008) by: M. Radman, Ana Babic, Ariel B.Lindner “A method and system for monitoring horizontal gene transfer in living and fixed cells, and uses thereof
- International patent N° PCT/EP2006/005826 (10 mai 2006) by: M. Radman, ksenija Zahradka “*Process of chromosomal engineering using a novel DNA repair system*
- International patent N° EP 1 718 745 (26 fev 2004) by: A. Gomez-Rodriguez (ES); T. Galic(HER); M-A. Petit (FR); I. Matic (FR); M. Radman “*Generation of recombinant genes in prokaryotic cells by using two extrachromosomal elements*”

- International patent N° EP 1763 579 (6 juil. 2004) by: A. Luque (AR/FR); H. Strobel (DE/FR); J.T. Martinsohn (DE/FR); M-A. Petit (FR); M. Radman (FR/FR) “*Generation of recombinant genes in bacteriophages*”
- (6 Ter) International patent N° PCT/EP2002/1 4533 (19/12/2002) by: I. Matic & M. Radman “*Process for reversible functional inactivation of the mismatch repair system*”
- American Patent application US2002/0132259 (21/02/2001) by: R. Wagner & M. Radman “*Mutation detecting using MutS and RecA*”
- International patent N° PCT/EP1995/002980 (26 Juil; 1995) by: H. P. Setratech Te Riele ; J. De Wind, ; H.M. Dekker-Vlaar, H ; M. Radman “*Homologous recombination in mismatch repair inactivated eukaryotic cells*”
- American Patent N° US patent 533 4522 (August 2, 1992) by: M. A. Resnick & M. Radman “*System for isolating and producing new genes, gene products and DNA sequences*”
- International patent N° PCT /FR 1989/000673 (12/07/1990) by: M. Radman & C. Rayssiguier “*Procédé de recombinaison in vivo de séquences d’ADN partiellement homologues*”

Invited presentations

Invitations: 198 international congresses, 44 keynote, plenary, introductory or closing lectures, and approx. 500 seminars.

M.R. was invited speaker at both (New York and London-Cambridge) celebrations of the 50th anniversary of the DNA structure, and was selected for the jubileum’s press conference in the Royal Society (with Watson, Brenner, Jeffreys and Lord May) while 17 Nobel laureates were present. This appears as recognition, at the highest scientific level, of the impact of M.R.’s ideas and research on modern biology.

Organization of international conferences in the field of applicants

In the early stage of his career, the PI has organised five international schools and symposia. In last four years, he co-organized a dozen of summer schools and workshops in MedILS (Croatia), including two entitled “Surviving Death”.

With Francois Taddei as the leader, MR participated and supported financially from the laboratory resources the first European undergraduate then graduate school of interdisciplinary studies of life <http://www.necker.fr/tamara/>, interdisciplinary teaching & <http://abraxa.snv.jussieu.fr/people/erocha/aivweb/>.

International prizes/Awards/academy memberships

Honorary Awards: **1979:** “Antoine Lacassagne” Grand Prix, Award of the French Ligue Against Cancer (Ligue Nationale Française contre le Cancer) for the discovery of the mutagenic SOS system in bacteria. **1990:** “Golden Eureka of Innovation”. **1991:** FEBS International Lecturer. **1992:** “Charles Leopold Meyer” Grand Prix of the French Academy of Science for the discovery of DNA error correction (mismatch repair). **1992:** Medal of Honor: Society for the Encouragement of Progress. **1998:** Medal “Spiridion Brusina” for the 100th anniversary of the Croatian Naturalists’ Society. **1998:** Grand Prix “Leopold Griffuel” of the Association pour la recherche sur le Cancer for the contributions to the field of DNA repair. **2000:** Grand Prix “Richard Lounsbery” Joint Award of the French and United States national academies of science for the discovery of mismatch repair as a genetic barrier between related species. **2000:** Science Award 2000 from the “U.S. Environmental Mutagen Society” for “far-reaching research contributions to understanding the profound consequences of mutation and recombination, in global genomic responses, DNA repair, cancer and evolution”. **2000:** “Katzir Katchalsky Honorary Lecturer”, Weizmann Institute, Israel. **2002:** Honorary Visiting Professor of Molecular Genetics, Faculties of Science & Medicine, Zagreb University, Croatia. **2003:** Grand Prix INSERM; Speaker at the Celebration of the 50th anniversary of the discovery of DNA structure (Roy. Soc. & CSHL); **2004:** Leonardo Award for creativity in

scientific research. **2005:** Linus Pauling Medal by the International League of Humanists as the “scientist humanist of the decade”. National Science Award of Croatia; 2009: Highest level state decoration by the President of Croatia S. Mesic. **2011:** André Lwoff prize of the Federation of European Microbiological Societies.

Membership: EMBO member (1978), Croatian Academy of Sciences and Arts (1992), Academia Europaea (1998), French “Académie des Sciences” (2002) and World Academy of Arts and Sciences (2005) and a number of professional societies and editorial boards in the past. Currently, member of the ERC panel LS4 (2008), Microsoft International Expert Group (2005), Board of the AXA Research Fund (2007-2010), UNESCO International Bioethics Committee (2005) and Scientific Board of the IRSN (Institute de Recherche sur la Sureté Nucléaire).

Memberships in editorial boards of international journals

Mutation Research (1980-1988)

DNA Repair (2001-2005)

Complete list of publications

Nb de publications depuis 1976 = **133**
Total citations depuis 1976 = **8182**, indice de citations moyen = **61,2**
H-index depuis 1976= **52**

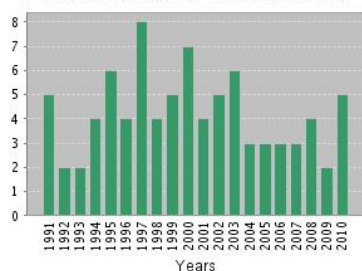
Nb de publications 2000-2010 = **45**
Total citations 2000-2010 = **1415**, indice de citations moyen = **31,4**
H-index depuis 2000= **17**

Evolution des publications et citations

Citation Report Author=(radman m) AND Document Type=(Article OR Letter OR Proceedings Paper OR Review)
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

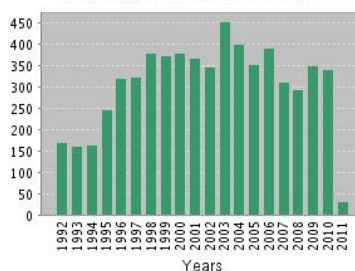
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Results found: 133

Sum of the Times Cited [?]: 8,182

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[View without self-citations](#)

Average Citations per Item [?]: 61.52

h-index [?]: 52

Record 1 of 133

Author(s): DEWIND, N; DEKKER, M; BERNS, A; RADMAN, M; RIELE, HT

Title: INACTIVATION OF THE MOUSE MSH2 GENE RESULTS IN MISMATCH REPAIR DEFICIENCY, METHYLATION TOLERANCE, HYPERRECOMBINATION, AND PREDISPOSITION TO CANCER

Source: CELL, 82 (2): 321-330 JUL 28 1995

Document Type: Article

Addresses: NETHERLANDS CANC INST, DIV MOLEC GENET, 1066 CX AMSTERDAM, NETHERLANDS; INST JACQUES MONOD, MUTAGENESIS LAB, F-75251 PARIS 5, FRANCE

Reprint Address: DEWIND, N, NETHERLANDS CANC INST, DIV MOLEC CARCINOGENESIS, PLESMANLAAN 121, 1066 CX AMSTERDAM, NETHERLANDS.

Times Cited: 551

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 2 of 133

Author(s): RAYSSIGUIER, C; THALER, DS; RADMAN, M

Title: THE BARRIER TO RECOMBINATION BETWEEN ESCHERICHIA-COLI AND SALMONELLA-TYPHIMURIUM IS DISRUPTED IN MISMATCH-REPAIR MUTANTS

Source: NATURE, 342 (6248): 396-401 NOV 23 1989

Document Type: Article

Addresses: NIEHS, GENET MOLEC LAB, RES TRIANGLE PK, NC 27709; UNIV UTAH, DEPT BIOL, SALT LAKE CITY, UT 84112

Reprint Address: RAYSSIGUIER, C, INST JACQUES MONOD, 2 PL JUSSIEU, TOUR 43, F-75251 PARIS 05, FRANCE.

Times Cited: 530

Subject Category: Multidisciplinary Sciences

Record 3 of 133

Author(s): GLICKMAN, BW; RADMAN, M

Title: ESCHERICHIA-COLI MUTATOR MUTANTS DEFICIENT IN METHYLATION-INSTRUCTED DNA

MISMATCH CORRECTION

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES, 77 (2): 1063-1067 1980

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: GLICKMAN, BW, STATE UNIV LEIDEN,MOLEC GENET LAB,LEIDEN,NETHERLANDS.

Times Cited: 329

Subject Category: Biology

Record 4 of 133

Author(s): Taddei, F; Radman, M; MaynardSmith, J; Toupance, B; Gouyon, PH; Godelle, B

Title: Role of mutator alleles in adaptive evolution

Source: NATURE, 387 (6634): 700-702 JUN 12 1997

Document Type: Article

Addresses: UNIV SUSSEX,SCH BIOL SCI,MICROBIAL GENET GRP,BRIGHTON BN1 9QG,E SUSSEX,ENGLAND; UNIV PARIS 11,CNRS,LAB EVOLUT & SYSTEMAT,F-91405 ORSAY,FRANCE; INST NATL AGRON PARIS GRIGNON,F-75005 PARIS,FRANCE; ECOLE NATL GENIE RURAL EAUX & FORETS,F-75732 PARIS,FRANCE

Reprint Address: Taddei, F, UNIV PARIS 07,INST JACQUES MONOD,CNRS,LAB MUTAGENESE,2 PL JUSSIEU,F-75251 PARIS,FRANCE.

Times Cited: 309

Subject Category: Multidisciplinary Sciences

Record 5 of 133

Author(s): Friedberg, EC; Wagner, R; Radman, M

Title: Molecular biology - Specialized DNA polymerases, cellular survival, and the genesis of mutations

Source: SCIENCE, 296 (5573): 1627-1630 MAY 31 2002

Document Type: Review

Addresses: Univ Texas, SW Med Ctr, Dept Pathol, Lab Mol Pathol, Dallas, TX 75235 USA; Gene Check Inc, Ft Collins, CO 80524 USA; Univ Paris 05, Fac Necker Enfants Malad, INSERM, E9916, F-75730 Paris, France

Reprint Address: Friedberg, EC, Univ Texas, SW Med Ctr, Dept Pathol, Lab Mol Pathol, Dallas, TX 75235 USA.

Times Cited: 246

Subject Category: Multidisciplinary Sciences

Record 6 of 133

Author(s): KINSELLA, AR; RADMAN, M

Title: TUMOR PROMOTER INDUCES SISTER CHROMATID EXCHANGES - RELEVANCE TO MECHANISMS OF CARCINOGENESIS

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 75 (12): 6149-6153 1978

Document Type: Article

Reprint Address: KINSELLA, AR, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 220

Subject Category: Multidisciplinary Sciences

Record 7 of 133

Author(s): RADMAN, M; WAGNER, R

Title: MISMATCH REPAIR IN ESCHERICHIA-COLI

Source: ANNUAL REVIEW OF GENETICS, 20: 523-538 1986

Document Type: Review

Reprint Address: RADMAN, M, UNIV PARIS 07,CNRS,INST JACQUES MONOD,MUTAGENESE LAB,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 215

Subject Category: Genetics & Heredity

Record 8 of 133

Author(s): MATIC, I; RAYSSIGUIER, C; RADMAN, M

Title: INTERSPECIES GENE EXCHANGE IN BACTERIA - THE ROLE OF SOS AND MISMATCH REPAIR SYSTEMS IN EVOLUTION OF SPECIES

Source: CELL, 80 (3): 507-515 FEB 10 1995

Document Type: Article

Reprint Address: MATIC, I, INST JACQUES MONOD,MUTAGENESE LAB,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 186

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 9 of 133

Author(s): Matic, I; Radman, M; Taddei, F; Picard, B; Doit, C; Bingen, E; Denamur, E; Elion, J

Title: Highly variable mutation rates in commensal and pathogenic Escherichia coli

Source: SCIENCE, 277 (5333): 1833-1834 SEP 19 1997

Document Type: Article

Addresses: INST JACQUES MONOD,LAB MUTAGENESE,F-75251 PARIS 05,FRANCE; ECOLE GENIE RURAL EAUX & FORETS,F-75732 PARIS,FRANCE; HOP MORVAN,MICROBIOL LAB,F-29609 BREST,FRANCE; HOP ROBERT DEBRE,LAB MICROBIOL ER321,F-75019 PARIS,FRANCE; HOP ROBERT DEBRE,INSERM,U458,F-75019 PARIS,FRANCE

Times Cited: 184

Subject Category: Multidisciplinary Sciences

Record 10 of 133

Author(s): WORTH, L; CLARK, S; RADMAN, M; MODRICH, P

Title: MISMATCH REPAIR PROTEINS MUTS AND MUTL INHIBIT RECA-CATALYZED STRAND TRANSFER BETWEEN DIVERGED DNAs

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 91 (8): 3238-3241 APR 12 1994

Document Type: Article

Addresses: DUKE UNIV,MED CTR,DEPT BIOCHEM,DURHAM,NC 27710; INST JACQUES MONOD,MUTAGENESE LAB,F-75251 PARIS 05,FRANCE

Times Cited: 178

Subject Category: Multidisciplinary Sciences

Record 11 of 133

Author(s): VILLANI, G; BOITEUX, S; RADMAN, M

Title: MOLECULAR MECHANISMS OF INDUCED MUTAGENESIS .2. MECHANISM OF ULTRAVIOLET-INDUCED MUTAGENESIS - EXTENT AND FIDELITY OF INVITRO DNA SYTHESIS ON IRRADIATED TEMPLATES

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 75 (7): 3037-3041 1978

Document Type: Article

Reprint Address: VILLANI, G, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 177

Subject Category: Multidisciplinary Sciences

Record 12 of 133

Author(s): Giraud, A; Matic, I; Tenailon, O; Clara, A; Radman, M; Fons, M; Taddei, F

Title: Costs and benefits of high mutation rates: Adaptive evolution of bacteria in the mouse gut

Source: SCIENCE, 291 (5513): 2606-2608 MAR 30 2001

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, E9916, F-75015 Paris, France; INRA, UEPSD FBI, F-78352 Jouy En Josas, France

Reprint Address: Taddei, F, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, E9916, 156 Rue Vaugirard, F-75015 Paris, France.

Times Cited: 169

Subject Category: Multidisciplinary Sciences

Record 13 of 133

Author(s): GLICKMAN, B; VANDENELSEN, P; RADMAN, M

Title: INDUCED MUTAGENESIS IN DAM[-]MUTANTS OF ESCHERICHIA-COLI - ROLE FOR 6-METHYLADENINE RESIDUES IN MUTATION AVOIDANCE

Source: MOLECULAR & GENERAL GENETICS, 163 (3): 307-312 1978

Document Type: Article

Addresses: UNIV BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: GLICKMAN, B, STATE UNIV LEIDEN,MOLEC GENET LAB,LEIDEN,NETHERLANDS.

Times Cited: 164

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 14 of 133

Author(s): Bjedov, I; Tenaillon, O; Gerard, B; Souza, V; Denamur, E; Radman, M; Taddei, F; Matic, I

Title: Stress-induced mutagenesis in bacteria

Source: SCIENCE, 300 (5624): 1404-1409 MAY 30 2003

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, F-75730 Paris 15, France; Univ Paris 07, Fac Med Xavier Bichat, INSERM, EO339, F-75870 Paris, France; Univ Nacl Autonoma Mexico, Inst Ecol, Dept Ecol Evolut, Mexico City 04510, DF, Mexico

Reprint Address: Matic, I, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, 156 Rue Vaugirard, F-75730 Paris 15, France.

Times Cited: 161

Subject Category: Multidisciplinary Sciences

Record 15 of 133

Author(s): Vulic, M; Dionisio, F; Taddei, F; Radman, M

Title: Molecular keys to speciation: DNA polymorphism and the control of genetic exchange in enterobacteria

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 94 (18): 9763-9767 SEP 2 1997

Document Type: Article

Reprint Address: Vulic, M, INST JACQUES MONOD,LAB MUTAGENESE,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 132

Subject Category: Multidisciplinary Sciences

Record 16 of 133

Author(s): Taddei, F; Hayakawa, H; Bouton, MF; Cirinesi, AM; Matic, I; Sekiguchi, M; Radman, M

Title: Counteraction by MutT protein of transcriptional errors caused by oxidative damage

Source: SCIENCE, 278 (5335): 128-130 OCT 3 1997

Document Type: Article

Addresses: KYUSHU UNIV,SCH MED,DEPT BIOCHEM,FUKUOKA 812,JAPAN; FUKUOKA DENT COLL,DEPT BIOL,FUKUOKA 81401,JAPAN; INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Times Cited: 131

Subject Category: Multidisciplinary Sciences

Record 17 of 133

Author(s): KRICKER, MC; DRAKE, JW; RADMAN, M

Title: DUPLICATION-TARGETED DNA METHYLATION AND MUTAGENESIS IN THE EVOLUTION OF EUKARYOTIC CHROMOSOMES

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 89 (3): 1075-1079 FEB 1 1992

Document Type: Article

Addresses: NIEHS,MOLEC GENET LAB,RES TRIANGLE PK,NC 27709; INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Times Cited: 128

Subject Category: Multidisciplinary Sciences

Record 18 of 133

Author(s): DOHET, C; WAGNER, R; RADMAN, M

Title: REPAIR OF DEFINED SINGLE BASE-PAIR MISMATCHES IN ESCHERICHIA-COLI

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 82 (2): 503-505 1985

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: DOHET, C, UNIV PARIS 07,CNRS,INST J MONOD,F-75251 PARIS 05,FRANCE.

Times Cited: 128

Subject Category: Multidisciplinary Sciences

Record 19 of 133

Author(s): RADMAN, M

Title: ENDONUCLEASE FROM ESCHERICHIA-COLI THAT INTRODUCES SINGLE POLYNUCLEOTIDE CHAIN SCISSIONS IN ULTRAVIOLET-IRRADIATED DNA

Source: JOURNAL OF BIOLOGICAL CHEMISTRY, 251 (5): 1438-1445 1976

Document Type: Article

Addresses: HARVARD UNIV,BIOL LABS,CAMBRIDGE,MA 02138

Times Cited: 126

Subject Category: Biochemistry & Molecular Biology

Record 20 of 133

Author(s): CAILLETFAUQUET, P; DEFAIS, M; RADMAN, M

Title: MOLECULAR MECHANISMS OF INDUCED MUTAGENESIS - REPLICATION INVIVO OF BACTERIOPHAGE PHI-X174 SINGLE-STRANDED, ULTRAVIOLET LIGHT-IRRADIATED DNA IN INTACT AND IRRADIATED HOST-CELLS

Source: JOURNAL OF MOLECULAR BIOLOGY, 117 (1): 95-112 1977

Document Type: Article

Reprint Address: CAILLETFAUQUET, P, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 125

Subject Category: Biochemistry & Molecular Biology

Record 21 of 133

Author(s): Denamur, E; Lecointre, G; Darlu, P; Tenailon, O; Acquaviva, C; Sayada, C; Sunjevaric, I; Rothstein, R; Elion, J; Taddei, F; Radman, M; Matic, I

Title: Evolutionary implications of the frequent horizontal transfer of mismatch repair genes

Source: CELL, 103 (5): 711-721 NOV 22 2000

Document Type: Article

Addresses: Univ Paris 05, INSERM, Fac Med Necker Enfants Malad, F-75730 Paris 15, France; Hop Robert Debre,

INSERM, U458, F-75935 Paris, France; Museum Natl Hist Nat, Serv Systemat Mol, GDR CNRS 1005, F-75231 Paris 05, France; INSERM, U155, F-94276 Le Kremlin Bicetre, France; Genopole, ACTGene Rech & Dev, F-91035 Evry, France; Columbia Univ Coll Phys & Surg, Dept Genet & Dev, New York, NY 10032 USA

Reprint Address: Radman, M, Univ Paris 05, INSERM, Fac Med Necker Enfants Malad, 156 Rue Vaugirard, F-75730 Paris 15, France.

E-mail Address: radman@necker.fr

Times Cited: 121

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 22 of 133

Author(s): TADDEI, F; MATIC, I; RADMAN, M

Title: CAMP-DEPENDENT SOS INDUCTION AND MUTAGENESIS IN RESTING BACTERIAL-POPULATIONS

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 92 (25): 11736-11740 DEC 5 1995

Document Type: Article

Reprint Address: TADDEI, F, INST JACQUES MONOD,MUTAGENESE LAB,2 PL JUSSIEU,F-75251 PARIS,FRANCE.

Times Cited: 121

Subject Category: Multidisciplinary Sciences

Record 23 of 133

Author(s): RADMAN, M

Title: IS THERE SOS INDUCTION IN MAMMALIAN-CELLS

Source: PHOTOCHEMISTRY AND PHOTOBIOLOGY, 32 (6): 823-830 1980

Document Type: Review

Reprint Address: RADMAN, M, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 117

Subject Category: Biochemistry & Molecular Biology; Biophysics

Record 24 of 133

Author(s): Dukan, S; Farewell, A; Ballesteros, M; Taddei, F; Radman, M; Nystrom, T

Title: Protein oxidation in response to increased transcriptional or translational errors

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 97 (11): 5746-5749 MAY 23 2000

Document Type: Article

Addresses: Univ Gothenburg, Dept Cell & Mol Biol Microbiol, S-40530 Gothenburg, Sweden; Inst Jacques Monod, F-75251 Paris 05, France

Reprint Address: Nystrom, T, Univ Gothenburg, Dept Cell & Mol Biol Microbiol, Box 462, S-40530 Gothenburg, Sweden.

Times Cited: 109

Subject Category: Multidisciplinary Sciences

Record 25 of 133

Author(s): PETIT, MA; DIMPFL, J; RADMAN, M; ECHOLS, H

Title: CONTROL OF LARGE CHROMOSOMAL DUPLICATIONS IN ESCHERICHIA-COLI BY THE MISMATCH REPAIR SYSTEM

Source: GENETICS, 129 (2): 327-332 OCT 1991

Document Type: Article

Addresses: INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Reprint Address: PETIT, MA, UNIV CALIF BERKELEY,DIV BIOCHEM & MOLEC BIOL,BERKELEY,CA 94720.

Times Cited: 108

Subject Category: Genetics & Heredity

Record 26 of 133

Author(s): SCHAAPER, RM; RADMAN, M

Title: THE EXTREME MUTATOR EFFECT OF ESCHERICHIA-COLI MUTD5 RESULTS FROM SATURATION OF MISMATCH REPAIR BY EXCESSIVE DNA-REPLICATION ERRORS

Source: EMBO JOURNAL, 8 (11): 3511-3516 NOV 1989

Document Type: Article

Reprint Address: SCHAAPER, RM, NIEHS,MOLEC GENET LAB,POB 12233,RES TRIANGLE PK,NC 27709.

Times Cited: 104

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 27 of 133

Author(s): Zahradka, K (Zahradka, Ksenija); Slade, D (Slade, Dea); Bailone, A (Bailone, Adriana); Sommer, S (Sommer, Suzanne); Averbeck, D (Averbeck, Dietrich); Petranovic, M (Petranovic, Mirjana); Lindner, AB (Lindner, Ariel B.); Radman, M (Radman, Miroslav)

Title: Reassembly of shattered chromosomes in *Deinococcus radiodurans*

Source: NATURE, 443 (7111): 569-573 OCT 5 2006

Document Type: Article

Addresses: Univ Paris 05, Fac Med, INSERM, F-75015 Paris, France; Rudjer Boskovic Inst, Div Mol Biol, Zagreb 10002, Croatia; Univ Paris 11, Inst Genet & Microbiol, CNRS, CEA,UMR8621, F-91405 Orsay, France; Ctr Univ Paris Sud, Inst Curie, Sect Rech, CNRS,UMR 2027, F-91405 Orsay, France; Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Radman, M, Univ Paris 05, Fac Med, INSERM, Site Necker,U571,156 Rue Vaugirard, F-75015 Paris, France.

E-mail Address: radman@necker.fr

Times Cited: 102

DOI: 10.1038/nature05160

Subject Category: Multidisciplinary Sciences

Record 28 of 133

Author(s): Roush, AA; Suarez, M; Friedberg, EC; Radman, M; Siede, W

Title: Deletion of the *Saccharomyces cerevisiae* gene RAD30 encoding an *Escherichia coli* DinB homolog confers UV radiation sensitivity and altered mutability

Source: MOLECULAR AND GENERAL GENETICS, 257 (6): 686-692 APR 1998

Document Type: Article

Addresses: Emory Univ, Sch Med, Dept Radiat Oncol, Atlanta, GA 30322 USA; Emory Univ, Sch Med, Winship Canc Ctr, Atlanta, GA 30322 USA; Univ Texas, SW Med Ctr, Dept Pathol, Lab Mol Pathol, Dallas, TX 75235 USA; Univ Paris, Inst Jacques Monod, CNRS, F-75252 Paris 05, France

Reprint Address: Siede, W, Emory Univ, Sch Med, Dept Radiat Oncol, Atlanta, GA 30322 USA.

Times Cited: 101

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 29 of 133

Author(s): DEFAIS, M; CAILLETFAUQUET, P; FOX, MS; RADMAN, M

Title: INDUCTION KINETICS OF MUTAGENIC DNA-REPAIR ACTIVITY IN ESCHERICHIA-COLI FOLLOWING ULTRAVIOLET-IRRADIATION

Source: MOLECULAR & GENERAL GENETICS, 148 (2): 125-130 1976

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM; MIT,DEPT BIOL,CAMBRIDGE,MA 02139

Times Cited: 101

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 30 of 133

Author(s): de Wind, N; Dekker, M; Claij, N; Jansen, L; van Klink, Y; Radman, M; Riggins, G; van der Valk, M; van 't Wout, K; Riele, HT

Title: HNPCC-like cancer predisposition in mice through simultaneous loss of Msh3 and MSH6 mismatch-repair protein functions

Source: NATURE GENETICS, 23 (3): 359-362 NOV 1999

Document Type: Article

Addresses: Netherlands Canc Inst, Div Mol Carcinogenesis, Amsterdam, Netherlands; Univ Paris 05, Fac Med Necker, INSERM, E9916, Paris, France; Duke Univ, Med Ctr, Dept Pathol, Durham, NC 27710 USA

Reprint Address: Riele, HT, Netherlands Canc Inst, Div Mol Carcinogenesis, Amsterdam, Netherlands.

Times Cited: 100

Subject Category: Genetics & Heredity

Record 31 of 133

Author(s): BONNER, CA; RANDALL, SK; RAYSSIGUIER, C; RADMAN, M; ERITJA, R; KAPLAN, BE; MCENTEE, K; GOODMAN, MF

Title: PURIFICATION AND CHARACTERIZATION OF AN INDUCIBLE ESCHERICHIA-COLI DNA-POLYMERASE CAPABLE OF INSERTION AND BYPASS AT ABASIC LESIONS IN DNA

Source: JOURNAL OF BIOLOGICAL CHEMISTRY, 263 (35): 18946-18952 DEC 15 1988

Document Type: Article

Addresses: UNIV PARIS 07,CNRS,JACQUES MONOD INST,F-75251 PARIS 05,FRANCE; CITY HOPE NATL MED CTR,BECKMAN RES INT,DEPT MOLEC GENET,DUARTE,CA 91010; UNIV CALIF LOS ANGELES,SCH MED,DEPT BIOL CHEM,LOS ANGELES,CA 90024; UNIV CALIF LOS ANGELES,INST MOLEC BIOL,LOS ANGELES,CA 90024

Reprint Address: BONNER, CA, UNIV SO CALIF,DEPT BIOL SCI,MOLEC BIOL SECT,LOS ANGELES,CA 90089.

Times Cited: 91

Subject Category: Biochemistry & Molecular Biology

Record 32 of 133

Author(s): Matic, I; Taddei, F; Radman, M

Title: Genetic barriers among bacteria

Source: TRENDS IN MICROBIOLOGY, 4 (2): 69-73 FEB 1996

Document Type: Article

Addresses: INST JACQUES MONOD, LAB MUTAGENESE, F-75251 PARIS 05, FRANCE; ECOLE NATL GENIE RURAL EAUX & FORETS, F-75015 PARIS, FRANCE

Times Cited: 90

Subject Category: Biochemistry & Molecular Biology; Microbiology

Record 33 of 133

Author(s): JONES, M; WAGNER, R; RADMAN, M

Title: REPAIR OF A MISMATCH IS INFLUENCED BY THE BASE COMPOSITION OF THE SURROUNDING NUCLEOTIDE-SEQUENCE

Source: GENETICS, 115 (4): 605-610 APR 1987

Document Type: Article

Reprint Address: JONES, M, INST JACQUES MONOD,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 88

Subject Category: Genetics & Heredity

Record 34 of 133

Author(s): BARBIN, A; BARTSCH, H; LECONTE, P; RADMAN, M

Title: STUDIES ON THE MISCODING PROPERTIES OF 1,N6-ETHENOADENINE AND 3,N4-ETHENOCYTOSINE, DNA REACTION-PRODUCTS OF VINYL-CHLORIDE METABOLITES, DURING INVITRO DNA-SYNTHESIS

Source: NUCLEIC ACIDS RESEARCH, 9 (2): 375-387 1981

Document Type: Article

Addresses: FREE UNIV BRUSSELS,DEPT MOLEC BIOL,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: BARBIN, A, INT AGCY RES CANC,DIV ENVIRONM CARCINOGENESIS,150 COURS ALBERT THOMAS,F-69372 LYON 2,FRANCE.

Times Cited: 76

Subject Category: Biochemistry & Molecular Biology

Record 35 of 133

Author(s): RADMAN, M; JEGGO, P; WAGNER, R

Title: CHROMOSOMAL REARRANGEMENT AND CARCINOGENESIS

Source: MUTATION RESEARCH, 98 (3): 249-264 1982

Document Type: Article

Addresses: UNIV PARIS 11,GENET LAB,F-91405 ORSAY,FRANCE

Reprint Address: RADMAN, M, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 75

Subject Category: Genetics & Heredity; Toxicology

Record 36 of 133

Author(s): FAZAKERLEY, GV; QUIGNARD, E; WOISARD, A; GUSCHLBAUER, W; VANDERMAREL, GA; VANBOOM, JH; JONES, M; RADMAN, M

Title: STRUCTURES OF MISMATCHED BASE-PAIRS IN DNA AND THEIR RECOGNITION BY THE ESCHERICHIA-COLI MISMATCH REPAIR SYSTEM

Source: EMBO JOURNAL, 5 (13): 3697-3703 DEC 1986

Document Type: Article

Addresses: STATE UNIV LEIDEN,GORLAEUS LABS,2300 RA LEIDEN,NETHERLANDS; UNIV PARIS 07,CNRS,INST J MONOD,MUTAGENESE LAB,F-75251 PARIS 05,FRANCE

Reprint Address: FAZAKERLEY, GV, CENS,DEPT BIOL,SERV BIOCHIM,BAT 142,F-91191 GIF SUR YVETTE,FRANCE.

Times Cited: 72

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 37 of 133

Author(s): LANGLEROUAULT, F; MAENHAUTMICHEL, G; RADMAN, M

Title: GATC SEQUENCES, DNA NICKS AND THE MUTH FUNCTION IN ESCHERICHIA-COLI MISMATCH REPAIR

Source: EMBO JOURNAL, 6 (4): 1121-1127 APR 1987

Document Type: Article

Addresses: UNIV PARIS 07,CNRS,INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Reprint Address: LANGLEROUAULT, F, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 68

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 38 of 133

Author(s): RADMAN, M; MATIC, I; HALLIDAY, JA; TADDEI, F

Title: EDITING DNA-REPLICATION AND RECOMBINATION BY MISMATCH REPAIR - FROM BACTERIAL GENETICS TO MECHANISMS OF PREDISPOSITION TO CANCER IN HUMANS

Source: PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 347 (1319): 97-103 JAN 30 1995

Document Type: Article

Addresses: ECOLE NATL GENIE RURAL EAUX & FORETS,F-75015 PARIS,FRANCE; UNIV ZAGREB,FAC

FOOD TECHNOL & BIOTECHNOL,BIOL & MICROBIAL GENET LAB,ZAGREB 41000,CROATIA

Reprint Address: RADMAN, M, INST JACQUES MONOD,MUTAGENESE LAB,2 PL JUSSIEU,F-75251 PARIS,FRANCE.

Times Cited: 66

Subject Category: Biology

Record 39 of 133

Author(s): RADMAN, M; WAGNER, R

Title: MISMATCH RECOGNITION IN CHROMOSOMAL INTERACTIONS AND SPECIATION

Source: CHROMOSOMA, 102 (6): 369-373 JUN 1993

Document Type: Article

Reprint Address: RADMAN, M, UNIV PARIS 07,INST JACQUES MONOD,CNRS,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 64

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 40 of 133

Author(s): JONES, M; WAGNER, R; RADMAN, M

Title: MISMATCH REPAIR OF DEAMINATED 5-METHYL-CYTOSINE

Source: JOURNAL OF MOLECULAR BIOLOGY, 194 (1): 155-159 MAR 5 1987

Document Type: Letter

Reprint Address: JONES, M, UNIV PARIS 07,CNRS,INST JACQUES MONOD,2 PL JUSSIEU,TOUR 43,F-75251 PARIS 05,FRANCE.

Times Cited: 63

Subject Category: Biochemistry & Molecular Biology

Record 41 of 133

Author(s): Bregeon, D; Colot, V; Radman, M; Taddei, F

Title: Translational misreading: a tRNA modification counteracts a+2 ribosomal frameshift

Source: GENES & DEVELOPMENT, 15 (17): 2295-2306 SEP 1 2001

Document Type: Article

Addresses: Fac Med Necker Enfants Malad, INSERM, EPI9916, F-75730 Paris 15, France; Univ Paris 06, Inst Jacques Monod, CNRS, F-75251 Paris, France; Univ Paris 07, F-75251 Paris 05, France

Reprint Address: Bregeon, D, Fac Med Necker Enfants Malad, INSERM, EPI9916, F-75730 Paris 15, France.

Times Cited: 60

Subject Category: Cell Biology; Developmental Biology; Genetics & Heredity

Record 42 of 133

Author(s): Taddei, F; Matic, I; Godelle, B; Radman, M

Title: To be a mutator, or how pathogenic and commensal bacteria can evolve rapidly

Source: TRENDS IN MICROBIOLOGY, 5 (11): 427-428 NOV 1997

Document Type: Article

Addresses: UNIV PARIS 11,CNRS,LAB EVOLUT & SYSTEMAT,F-911405 ORSAY,FRANCE; INST NATL AGRON PARIS GRIGNON,PARI,FRANCE

Reprint Address: Taddei, F, INST JACQUES MONOD,LAB MUTAGENESE,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 59

Subject Category: Biochemistry & Molecular Biology; Microbiology

Record 43 of 133

Author(s): Radman, M; Matic, I; Taddei, F

Editor(s): Caporale, LH

Title: Evolution of evolvability
Source: MOLECULAR STRATEGIES IN BIOLOGICAL EVOLUTION, 870: 146-155 1999
Book series title: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES
Document Type: Proceedings Paper
Conference Title: Conference on Molecular Strategies in Biological Evolution
Conference Date: JUN 27-29, 1998
Conference Location: NEW YORK, NEW YORK
Addresses: Inst Jacques Monod, Lab Mutagenese, F-75251 Paris 05, France
Reprint Address: Radman, M, Univ Paris 05, Fac Med Necker, F-75270 Paris 06, France.
Times Cited: 58
Subject Category: Multidisciplinary Sciences

Record 44 of 133

Author(s): Giraud, A; Radman, M; Matic, I; Taddei, F
Title: The rise and fall of mutator bacteria
Source: CURRENT OPINION IN MICROBIOLOGY, 4 (5): 582-585 OCT 2001
Document Type: Review
Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, F-75015 Paris, France
Reprint Address: Giraud, A, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, E9916,156 Rue Vaugirard, F-75015 Paris, France.
Times Cited: 56
Subject Category: Microbiology

Record 45 of 133

Author(s): WAGNER, R; DOHET, C; JONES, M; DOUTRIAUX, MP; HUTCHINSON, F; RADMAN, M
Title: INVOLVEMENT OF ESCHERICHIA-COLI MISMATCH REPAIR IN DNA-REPLICATION AND RECOMBINATION
Source: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, 49: 611-615 1984
Document Type: Article
Addresses: YALE UNIV,DEPT MOLEC BIOPHYS & BIOCHEM,NEW HAVEN,CT 06511
Reprint Address: WAGNER, R, UNIV PARIS 07,INST JACQUES MONOD,MUTAGENESE LAB,CNRS,F-75251 PARIS 05,FRANCE.
Times Cited: 56
Subject Category: Biochemistry & Molecular Biology; Biology

Record 46 of 133

Author(s): JONES, M; WAGNER, R; RADMAN, M
Title: MISMATCH REPAIR AND RECOMBINATION IN ESCHERICHIA-COLI
Source: CELL, 50 (4): 621-626 AUG 14 1987
Document Type: Article
Reprint Address: JONES, M, INST JACQUES MONOD,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.
Times Cited: 55
Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 47 of 133

Author(s): DOHET, C; WAGNER, R; RADMAN, M
Title: METHYL-DIRECTED REPAIR OF FRAMESHIFT MUTATIONS IN HETERODUPLEX DNA
Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 83 (10): 3395-3397 MAY 1986
Document Type: Article
Reprint Address: DOHET, C, UNIV PARIS 07,INST JACQUES MONOD,CNRS,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 55

Subject Category: Multidisciplinary Sciences

Record 48 of 133

Author(s): RADMAN, M; VILLANI, G; BOITEUX, S; KINSELLA, AR; GLICKMAN, BW; SPADARI, S

Title: REPLICATIONAL FIDELITY - MECHANISMS OF MUTATION AVOIDANCE AND MUTATION FIXATION

Source: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, 43: 937-946 Part 2 1979

Document Type: Article

Addresses: STATE UNIV LEIDEN, MOLEC GENET LAB, LEIDEN, NETHERLANDS; CNR, GENET BIOCHIM & EVOLUZIONISTICA LAB, I-27000 PAVIA, ITALY

Reprint Address: RADMAN, M, UNIV LIBRE BRUXELLES, DEPT BIOL MOLEC, B-1640 RHODE ST GENESE, BELGIUM.

Times Cited: 54

Subject Category: Biochemistry & Molecular Biology; Biology

Record 49 of 133

Author(s): WAGNER, R; DEBBIE, P; RADMAN, M

Title: MUTATION DETECTION USING IMMOBILIZED MISMATCH BINDING-PROTEIN (MUTS)

Source: NUCLEIC ACIDS RESEARCH, 23 (19): 3944-3948 OCT 11 1995

Document Type: Article

Addresses: INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Reprint Address: WAGNER, R, GENECHECK INC,400 E HORSETOOTH RD,FT COLLINS,CO 80525.

Times Cited: 52

Subject Category: Biochemistry & Molecular Biology

Record 50 of 133

Author(s): RADMAN, M

Title: MISMATCH REPAIR AND THE FIDELITY OF GENETIC-RECOMBINATION

Source: GENOME, 31 (1): 68-73 1989

Document Type: Article

Reprint Address: RADMAN, M, UNIV PARIS 07,CNRS,INST JACQUES MONOD,F-75221 PARIS 05,FRANCE.

Times Cited: 52

Subject Category: Biotechnology & Applied Microbiology; Genetics & Heredity

Record 51 of 133

Author(s): BRANDENBURGER, A; GODSON, GN; RADMAN, M; GLICKMAN, BW; VANSLUIS, CA; DOUBLEDAY, OP

Title: RADIATION-INDUCED BASE SUBSTITUTION MUTAGENESIS IN SINGLE-STRANDED-DNA PHAGE-M13

Source: NATURE, 294 (5837): 180-182 1981

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM; STATE UNIV LEIDEN,MOLEC GENET LAB,LEIDEN,NETHERLANDS; YALE UNIV,SCH MED,DEPT RADIOBIOL,NEW HAVEN,CT 06510

Times Cited: 52

Subject Category: Multidisciplinary Sciences

Record 52 of 133

Author(s): WAGNER, RE; RADMAN, M

Title: MECHANISM FOR INITIATION OF GENETIC RECOMBINATION

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 72 (9): 3619-3622 1975

Document Type: Article

Addresses: HARVARD UNIV,BIOL LABS,CAMBRIDGE,MA 02138

Times Cited: 52

Subject Category: Multidisciplinary Sciences

Record 53 of 133

Author(s): Giraud, A; Matic, I; Radman, M; Fons, M; Taddei, F

Title: Mutator bacteria as a risk factor in treatment of infectious diseases

Source: ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, 46 (3): 863-865 MAR 2002

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, E9916, F-75015 Paris, France; INRA, UEPSD, FBI, CRJ, F-78352 Jouy En Josas, France

Reprint Address: Taddei, F, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, E9916, 156 Rue Vaugirard, F-75015 Paris, France.

Times Cited: 51

DOI: 10.1128/AAC.46.3.863-865.2002

Subject Category: Microbiology; Pharmacology & Pharmacy

Record 54 of 133

Author(s): VARLET, I; RADMAN, M; BROOKS, P

Title: DNA MISMATCH REPAIR IN XENOPUS EGG EXTRACTS - REPAIR EFFICIENCY AND DNA-REPAIR SYNTHESIS FOR ALL SINGLE BASE-PAIR MISMATCHES

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 87 (20): 7883-7887 OCT 1990

Document Type: Article

Reprint Address: VARLET, I, CNRS,INST JACQUES MONOD,2 PL JUSSIEU,TOUR 43,F-75251 PARIS 05,FRANCE.

Times Cited: 50

Subject Category: Multidisciplinary Sciences

Record 55 of 133

Author(s): CAILLETFAUQUET, P; MAENHAUTMICHEL, G; RADMAN, M

Title: SOS MUTATOR EFFECT IN ESCHERICHIA-COLI MUTANTS DEFICIENT IN MISMATCH CORRECTION

Source: EMBO JOURNAL, 3 (4): 707-712 1984

Document Type: Article

Reprint Address: CAILLETFAUQUET, P, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,BIOPHYS & RADIOBIOL LAB,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 50

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 56 of 133

Author(s): BATES, H; RANDALL, SK; RAYSSIGUIER, C; BRIDGES, BA; GOODMAN, MF; RADMAN, M

Title: SPONTANEOUS AND UV-INDUCED MUTATIONS IN ESCHERICHIA-COLI K-12 STRAINS WITH ALTERED OR ABSENT DNA-POLYMERASE-I

Source: JOURNAL OF BACTERIOLOGY, 171 (5): 2480-2484 MAY 1989

Document Type: Article

Addresses: UNIV SUSSEX,MRC,CELL MUTAT UNIT,BRIGHTON BN1 9RR,SUSSEX,ENGLAND; UNIV SO CALIF,AHMANSON CTR BIOL RES,LOS ANGELES,CA 90089; UNIV PARIS 07,INST JACQUES MONOD,F-75221 PARIS 05,FRANCE

Times Cited: 47

Subject Category: Microbiology

Record 57 of 133

Author(s): Stambuk, S; Radman, M

Title: Mechanism and control of interspecies recombination in Escherichia coli. I. Mismatch repair, methylation, recombination and replication functions

Source: GENETICS, 150 (2): 533-542 OCT 1998

Document Type: Article

Addresses: Univ Paris 07, Inst Jacques Monod, Lab Mutagenese, F-75251 Paris 05, France

Reprint Address: Stambuk, S, Univ Paris 07, Inst Jacques Monod, Lab Mutagenese, 2 Pl Jussieu, F-75251 Paris 05, France.

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Times Cited: 45

Subject Category: Genetics & Heredity

Record 58 of 133

Author(s): Taddei, F; Halliday, JA; Matic, I; Radman, M

Title: Genetic analysis of mutagenesis in aging Escherichia coli colonies

Source: MOLECULAR & GENERAL GENETICS, 256 (3): 277-281 OCT 1997

Document Type: Article

Addresses: STANFORD UNIV,DEPT BIOL SCI,STANFORD,CA 94305; ECOLE NATL GENIE RURAL EAUX & FORETS,PARIS,FRANCE

Reprint Address: Taddei, F, UNIV PARIS 07,INST JACQUES MONOD,LAB MUTAGENESE,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 44

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 59 of 133

Author(s): DOUTRIAUX, MP; WAGNER, R; RADMAN, M

Title: MISMATCH-STIMULATED KILLING

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 83 (8): 2576-2578 APR 1986

Document Type: Article

Reprint Address: DOUTRIAUX, MP, UNIV PARIS 07,CNRS,INST JACQUES MONOD,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 44

Subject Category: Multidisciplinary Sciences

Record 60 of 133

Author(s): LEHMANN, AR; HOEIJMAKERS, JHJ; VANZEELAND, AA; BACKENDORF, CMP; BRIDGES, BA; COLLINS, A; FUCHS, RPD; MARGISON, GP; MONTESANO, R; MOUSTACCHI, E; NATARAJAN, AT; RADMAN, M; SARASIN, A; SEEBERG, E; SMITH, CA; STEFANINI, M; THOMPSON, LH; VANDERSCHANS, GP; WEBER, CA; ZDZIENICKA, MZ

Title: WORKSHOP ON DNA-REPAIR

Source: MUTATION RESEARCH, 273 (1): 1-28 JAN 1992

Document Type: Article

Reprint Address: LEHMANN, AR, UNIV SUSSEX,MRC,CELL MUTAT UNIT,BRIGHTON BN1 9RR,ENGLAND.

Times Cited: 41

Subject Category: Genetics & Heredity; Toxicology

Record 61 of 133

Author(s): BROTCORNELANNOYE, A; MAENHAUTMICHEL, G; RADMAN, M

Title: INVOLVEMENT OF DNA POLYMERASE-III IN UV-INDUCED MUTAGENESIS OF BACTERIOPHAGE-LAMBDA

Source: MOLECULAR & GENERAL GENETICS, 199 (1): 64-69 1985

Document Type: Article

Addresses: UNIV PARIS 07,CNRS,INST J MONOD,F-75251 PARIS 05,FRANCE

Reprint Address: BROTCORNELANNOYE, A, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,RUE CHEVAUX 67,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 40

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 62 of 133

Author(s): Matic, I; Taddei, F; Radman, M

Title: Survival versus maintenance of genetic stability: a conflict of priorities during stress

Source: RESEARCH IN MICROBIOLOGY, 155 (5): 337-341 JUN 2004

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, F-75730 Paris 15, France

Reprint Address: Matic, I, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, 156 Rue Vaugirard, F-75730 Paris 15, France.

E-mail Address: matic@necker.fr

Times Cited: 39

DOI: 10.1016/j.resmic.2004.01.010

Subject Category: Microbiology

Record 63 of 133

Author(s): Vulic, M; Lenski, RE; Radman, M

Title: Mutation, recombination, and incipient speciation of bacteria in the laboratory

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 96 (13): 7348-7351 JUN 22 1999

Document Type: Article

Addresses: Inst Jacques Monod, Lab Mutagenese, F-75251 Paris 05, France; Michigan State Univ, Ctr Microbial Ecol, E Lansing, MI 48824 USA

Reprint Address: Vulic, M, Harvard Univ, Sch Med, Dept Microbiol & Mol Genet, 200 Longwood Ave, Boston, MA 02115 USA.

Times Cited: 39

Subject Category: Multidisciplinary Sciences

Record 64 of 133

Author(s): RADMAN, M; WAGNER, R

Title: EFFECTS OF DNA METHYLATION ON MISMATCH REPAIR, MUTAGENESIS, AND RECOMBINATION IN ESCHERICHIA-COLI

Source: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, 108: 23-28 1984

Document Type: Review

Reprint Address: RADMAN, M, UNIV PARIS 07,CNRS,INST JACQUES MONOD,F-75251 PARIS 05,FRANCE.

Times Cited: 39

Subject Category: Immunology; Microbiology

Record 65 of 133

Author(s): Tenaille, O; Taddei, F; Radman, M; Matic, I

Title: Second-order selection in bacterial evolution: selection acting on mutation and recombination rates in the course of adaptation

Source: RESEARCH IN MICROBIOLOGY, 152 (1): 11-16 JAN-FEB 2001

Document Type: Review

Addresses: Univ Paris 05, Fac Med Necker Enfants Malades, Inserm E9916, F-75730 Paris 15, France

Reprint Address: Tenaille, O, Univ Paris 05, Fac Med Necker Enfants Malades, Inserm E9916, 156 Rue Vaugirard, F-75730 Paris 15, France.

Times Cited: 37

Subject Category: Microbiology

Record 66 of 133

Author(s): TOMAN, Z; DAMBLYCHAUDIERE, C; TENENBAUM, L; RADMAN, M

Title: A SYSTEM FOR DETECTION OF GENETIC AND EPIGENETIC ALTERATIONS IN ESCHERICHIA-COLI INDUCED BY DNA-DAMAGING AGENTS

Source: JOURNAL OF MOLECULAR BIOLOGY, 186 (1): 97-105 1985

Document Type: Article

Reprint Address: TOMAN, Z, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,RUE CHEVAUX 67,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 35

Subject Category: Biochemistry & Molecular Biology

Record 67 of 133

Author(s): KINSELLA, AR; RADMAN, M

Title: INHIBITION OF CARCINOGEN-INDUCED CHROMOSOMAL-ABERRATIONS BY AN ANTI-CARCINOGENIC PROTEASE INHIBITOR

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES, 77 (6): 3544-3547 1980

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: KINSELLA, AR, CHRISTIE HOSP & HOLT RADIUM INST,PATERSON LAB,MANCHESTER M20 9BX,LANCASHIRE,ENGLAND.

Times Cited: 34

Subject Category: Biology

Record 68 of 133

Author(s): Dionisio, F; Matic, I; Radman, M; Rodrigues, OR; Taddei, F

Title: Plasmids spread very fast in heterogeneous bacterial communities

Source: GENETICS, 162 (4): 1525-1532 DEC 2002

Document Type: Article

Addresses: Gulbenkian Inst Sci, P-2781901 Oeiras, Portugal; Univ Paris 05, Fac Med Necker Enfants Malade, INSERM, U571, F-75730 Paris 15, France

Reprint Address: Dionisio, F, Gulbenkian Inst Sci, Apartado 14, P-2781901 Oeiras, Portugal.

Times Cited: 33

Subject Category: Genetics & Heredity

Record 69 of 133

Author(s): Radman, M; Taddei, F; Matic, I

Title: Evolution-driving genes

Source: RESEARCH IN MICROBIOLOGY, 151 (2): 91-95 MAR 2000

Document Type: Proceedings Paper

Conference Title: International Conference on Microbial and Model Genomes (Genomes 2000)

Conference Date: APR 11-15, 2000

Conference Location: PARIS, FRANCE

Conference Host: INST PASTEUR

Addresses: Univ Paris 05, INSERM, Fac Med Necker Enfants Malad, F-75730 Paris 15, France

Reprint Address: Radman, M, Univ Paris 05, INSERM, Fac Med Necker Enfants Malad, E9916,156 Rue Vaugirard, F-75730 Paris 15, France.

Times Cited: 33

Subject Category: Microbiology

Record 70 of 133

Author(s): Babic, A (Babic, Ana); Lindner, AB (Lindner, Ariel B.); Vulic, M (Vulic, Marin); Stewart, EJ (Stewart, Eric J.); Radman, M (Radman, Miroslav)

Title: Direct visualization of horizontal gene transfer

Source: SCIENCE, 319 (5869): 1533-1536 MAR 14 2008

Document Type: Article

Addresses: [Babic, Ana; Lindner, Ariel B.; Vulic, Marin; Stewart, Eric J.; Radman, Miroslav] INSERM, U571, F-75015 Paris, France; [Babic, Ana; Lindner, Ariel B.; Vulic, Marin; Stewart, Eric J.; Radman, Miroslav] Univ Paris Descartes Fac Med, F-75015 Paris, France; [Radman, Miroslav] Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Radman, M, INSERM, U571, F-75015 Paris, France.

E-mail Address: radman@necker.fr

Times Cited: 32

DOI: 10.1126/science.1153498

Subject Category: Multidisciplinary Sciences

Record 71 of 133

Author(s): DZIDIC, S; RADMAN, M

Title: GENETIC REQUIREMENTS FOR HYPER-RECOMBINATION BY VERY SHORT PATCH MISMATCH REPAIR - INVOLVEMENT OF ESCHERICHIA-COLI DNA-POLYMERASE-I

Source: MOLECULAR & GENERAL GENETICS, 217 (2-3): 254-256 JUN 1989

Document Type: Article

Addresses: INST JACQUES MONOD, TOUR 43,2 PL JUSSIEU, F-75251 PARIS 05, FRANCE

Times Cited: 32

Subject Category: Biochemistry & Molecular Biology; Genetics & Heredity

Record 72 of 133

Author(s): Bregeon, D; Matic, I; Radman, M; Taddei, F

Title: Inefficient mismatch repair: genetic defects and down regulation

Source: JOURNAL OF GENETICS, 78 (1): 21-28 APR 1999

Document Type: Article

Addresses: Inst Jacques Monod, Lab Mutagenese, F-75251 Paris, France; Univ Paris 05, Fac Med, F-75730 Paris 15, France; Inst Necker, INSERM, U411, F-75730 Paris 15, France

Reprint Address: Taddei, F, Inst Jacques Monod, Lab Mutagenese, 2 Pl Jussieu, F-75251 Paris, France.

Times Cited: 29

Subject Category: Genetics & Heredity

Record 73 of 133

Author(s): Slade, D (Slade, Dea); Lindner, AB (Lindner, Ariel B.); Paul, G (Paul, Gregory); Radman, M (Radman, Miroslav)

Title: Recombination and Replication in DNA Repair of Heavily Irradiated Deinococcus radiodurans

Source: CELL, 136 (6): 1044-1055 MAR 20 2009

Document Type: Article

Addresses: [Slade, Dea; Lindner, Ariel B.; Paul, Gregory; Radman, Miroslav] Univ Paris 05, Fac Med, INSERM, U571, F-75015 Paris, France; [Radman, Miroslav] Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Radman, M, Univ Paris 05, Fac Med, INSERM, U571, 156 Rue Vaugirard, F-75015 Paris, France.

E-mail Address: miroslav.radman@inserm.fr

Times Cited: 28

DOI: 10.1016/j.cell.2009.01.018

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 74 of 133

Author(s): BROOKS, P; DOHET, C; ALMOUZNI, G; MECHALI, M; RADMAN, M

Title: MISMATCH REPAIR INVOLVING LOCALIZED DNA-SYNTHESIS IN EXTRACTS OF XENOPUS EGGS

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, 86 (12): 4425-4429 JUN 1989

Document Type: Article

Addresses: CNRS,INST JACQUES MONOD,TOUR 43,2 PL JUSSIEU,F-75251 PARIS,FRANCE

Times Cited: 28

Subject Category: Multidisciplinary Sciences

Record 75 of 133

Author(s): RADMAN, M

Title: AVOIDANCE OF INTER-REPEAT RECOMBINATION BY SEQUENCE DIVERGENCE AND A MECHANISM OF NEUTRAL EVOLUTION

Source: BIOCHIMIE, 73 (4): 357-361 APR 1991

Document Type: Article

Reprint Address: RADMAN, M, INST JACQUES MONOD,F-75251 PARIS 05,FRANCE.

Times Cited: 27

Subject Category: Biochemistry & Molecular Biology

Record 76 of 133

Author(s): LAENGLEROUAULT, F; MAENHAUTMICHEL, G; RADMAN, M

Title: GATC SEQUENCE AND MISMATCH REPAIR IN ESCHERICHIA-COLI

Source: EMBO JOURNAL, 5 (8): 2009-2013 AUG 1986

Document Type: Article

Addresses: UNIV PARIS 07,CNRS,INST JACQUES MONOD,MUTAGENESE LAB,F-75251 PARIS 05,FRANCE

Reprint Address: LAENGLEROUAULT, F, UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM.

Times Cited: 26

Subject Category: Biochemistry & Molecular Biology; Cell Biology

Record 77 of 133

Author(s): Banzhaf, W (Banzhaf, Wolfgang); Beslon, G (Beslon, Guillaume); Christensen, S (Christensen, Steffen); Foster, JA (Foster, James A.); Kepes, F (Kepes, Francois); Lefort, V (Lefort, Virginie); Miller, JF (Miller, Julian F.); Radman, M (Radman, Miroslav); Ramsden, JJ (Ramsden, Jeremy J.)

Title: Guidelines - From artificial evolution to computational evolution: a research agenda

Source: NATURE REVIEWS GENETICS, 7 (9): 729-735 SEP 2006

Document Type: Review

Addresses: Mem Univ Newfoundland, Dept Comp Sci, St John, NF A1B 3X5, Canada; Inst Natl Sci Appl, Dept Informat, F-69621 Villeurbanne, France; Carleton Univ, Sch Comp Sci, Ottawa, ON K1S 5B6, Canada; Univ Idaho, Dept Biol Sci, Moscow, ID 83844 USA; Genopole, Epigenom Project, F-91000 Evry, France; Univ York, Dept Elect, York YO10 5DD, N Yorkshire, England; Univ Paris Descartes, Fac Med, INSERM, U571, F-75015 Paris, France; Mediterranean Inst Life Sci, Split 2100, Croatia; Cranfield Univ, Sch Appl Sci, Cranfield MK43 0AL, Beds, England

Reprint Address: Banzhaf, W, Mem Univ Newfoundland, Dept Comp Sci, St John, NF A1B 3X5, Canada.

E-mail Address: banzhaf@cs.mun.ca; foster@uidaho.edu; Francois.Kepes@epigenomique.genopole.fr

Times Cited: 25

DOI: 10.1038/nrg1921

Subject Category: Genetics & Heredity

Record 78 of 133

Author(s): Westmoreland, J; Porter, G; Radman, M; Resnick, MA

Title: Highly mismatched molecules resembling recombination intermediates efficiently transform mismatch repair proficient Escherichia coli

Source: GENETICS, 145 (1): 29-38 JAN 1997

Document Type: Article

Addresses: NIEHS,MOL GENET LAB,NATL INST HLTH,RES TRIANGLE PK,NC 27709; INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Times Cited: 24

Subject Category: Genetics & Heredity

Record 79 of 133

Author(s): QUINTO, I; RADMAN, M

Title: CARCINOGENIC POTENCY IN RODENTS VERSUS GENOTOXIC POTENCY IN ESCHERICHIA-COLI - A CORRELATION-ANALYSIS FOR BIFUNCTIONAL ALKYLATING-AGENTS

Source: MUTATION RESEARCH, 181 (2): 235-242 DEC 1987

Document Type: Article

Addresses: UNIV PARIS 07,CNRS,JACQUES MONOD INST,F-75221 PARIS 05,FRANCE

Reprint Address: QUINTO, I, UNIV NAPLES,SCH MED,DEPT CELLULAR & MOLEC BIOL,VIA S PANSINI 5,I-80131 NAPLES,ITALY.

Times Cited: 24

Subject Category: Genetics & Heredity; Toxicology

Record 80 of 133

Author(s): VARLET, I; PALLARD, C; RADMAN, M; MOREAU, J; DEWIND, N

Title: CLONING AND EXPRESSION OF THE XENOPUS AND MOUSE MSH2 DNA MISMATCH REPAIR GENES

Source: NUCLEIC ACIDS RESEARCH, 22 (25): 5723-5728 DEC 25 1994

Document Type: Article

Reprint Address: VARLET, I, UNIV PARIS 07,INST JACQUES MONOD,MUTAGENESE LAB,CNRS,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 22

Subject Category: Biochemistry & Molecular Biology

Record 81 of 133

Author(s): MATIC, I; RADMAN, M; RAYSSIGUIER, C

Title: STRUCTURE OF RECOMBINANTS FROM CONJUGATIONAL CROSSES BETWEEN ESCHERICHIA-COLI DONOR AND MISMATCH-REPAIR DEFICIENT SALMONELLA-TYPHIMURIUM RECIPIENTS

Source: GENETICS, 136 (1): 17-26 JAN 1994

Document Type: Article

Reprint Address: MATIC, I, INST JACQUES MONOD,MUTAGENESE LAB,F-75251 PARIS 05,FRANCE.

Times Cited: 21

Subject Category: Genetics & Heredity

Record 82 of 133

Author(s): BRAUN, AG; RADMAN, M; GROSSMAN, L

Title: ENZYMATIC REPAIR OF DNA - SITES OF HYDROLYSIS BY ESCHERICHIA-COLI ENDONUCLEASE SPECIFIC FOR PYRIMIDINE DIMERS (CORRENDONUCLEASEII)

Source: BIOCHEMISTRY, 15 (18): 4116-4120 1976

Document Type: Article

Addresses: BRANDEIS UNIV,GRAD DEPT BIOCHEM,WALTHAM,MA 02154

Times Cited: 19

Subject Category: Biochemistry & Molecular Biology

Record 83 of 133

Author(s): Matic, I; Taddei, F; Radman, M

Title: No genetic barriers between Salmonella enterica serovar typhimurium and Escherichia coli in SOS-induced mismatch repair-deficient cells

Source: JOURNAL OF BACTERIOLOGY, 182 (20): 5922-5924 OCT 2000

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM E9916, F-75015 Paris, France

Reprint Address: Matic, I, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM E9916, 156 Rue Vaugirard, F-75730 Paris 15, France.

E-mail Address: matic@necker.fr

Times Cited: 17

Subject Category: Microbiology

Record 84 of 133

Author(s): RAYSSIGUIER, C; DOHET, C; RADMAN, M

Title: INTERSPECIFIC RECOMBINATION BETWEEN ESCHERICHIA-COLI AND SALMONELLA-TYPHIMURIUM OCCURS BY THE RECABCD PATHWAY

Source: BIOCHIMIE, 73 (4): 371-374 APR 1991

Document Type: Article

Reprint Address: RAYSSIGUIER, C, INST JACQUES MONOD,MUTAGENESIS LAB,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 16

Subject Category: Biochemistry & Molecular Biology

Record 85 of 133

Author(s): Varlet, I; Canard, B; Brooks, P; Cerovic, G; Radman, M

Title: Mismatch repair in Xenopus egg extracts: DNA strand breaks act as signals rather than excision points

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 93 (19): 10156-10161 SEP 17 1996

Document Type: Article

Addresses: INST JACQUES MONOD,LAB MUTAGENESE,CNRS,UMR 9922,F-75251 PARIS 05,FRANCE

Times Cited: 15

Subject Category: Multidisciplinary Sciences

Record 86 of 133

Author(s): LECOMTE, P; DOUBLEDAY, OP; RADMAN, M

Title: EVIDENCE FOR AN INTERMEDIATE IN DNA-SYNTHESIS INVOLVING PYROPHOSPHATE EXCHANGE - A POSSIBLE ROLE IN FIDELITY

Source: JOURNAL OF MOLECULAR BIOLOGY, 189 (4): 643-652 JUN 20 1986

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Times Cited: 14

Subject Category: Biochemistry & Molecular Biology

Record 87 of 133

Author(s): DESCHAVANNE, P; RADMAN, M

Title: COUNTERSELECTION OF GATC SEQUENCES IN ENTEROBACTERIOPHAGES BY THE COMPONENTS OF THE METHYL-DIRECTED MISMATCH REPAIR SYSTEM

Source: JOURNAL OF MOLECULAR EVOLUTION, 33 (2): 125-132 AUG 1991

Document Type: Article

Reprint Address: DESCHAVANNE, P, INST J MONOD,MUTAGENESE LAB,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 13

Subject Category: Biochemistry & Molecular Biology; Evolutionary Biology; Genetics & Heredity

Record 88 of 133

Author(s): ZGAGA, Z; CHANET, R; RADMAN, M; FABRE, F

Title: MISMATCH-STIMULATED PLASMID INTEGRATION IN YEAST

Source: CURRENT GENETICS, 19 (4): 329-332 1991

Document Type: Article

Addresses: CTR UNIV ORSAY,INST CURIE BIOL,BAT 110,F-91405 ORSAY,FRANCE; INST JACQUES MONOD,F-75251 PARIS 05,FRANCE

Times Cited: 13

Subject Category: Genetics & Heredity

Record 89 of 133

Author(s): BOURGUIGNONVANHOREN, F; BROTCORN, A; CAILLETFAUQUET, P; DIVER, WP; DOHET, C; DOUBLEDAY, OP; LECOMTE, P; MAENHAUTMICHEL, G; RADMAN, M

Title: CONSERVATION AND DIVERSIFICATION OF GENES BY MISMATCH CORRECTION AND SOS INDUCTION

Source: BIOCHIMIE, 64 (8-9): 559-564 1982

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Times Cited: 13

Subject Category: Biochemistry & Molecular Biology

Record 90 of 133

Author(s): Bjedov, I; Lecointre, G; Tenaillon, O; Vaury, C; Radman, M; Taddei, F; Denamur, E; Matic, I

Title: Polymorphism of genes encoding SOS polymerases in natural populations of Escherichia coli

Source: DNA REPAIR, 2 (4): 417-426 APR 2 2003

Document Type: Article

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, F-75730 Paris 15, France; Museum Natl Hist Nat, Serv Systemat Mol, CNRS, GDR 1005, Paris, France; Hop Robert Debre, INSERM, U458, F-75019 Paris, France; Hop St Louis, CEPH, Paris, France

Reprint Address: Matic, I, Univ Paris 05, Fac Med Necker Enfants Malad, INSERM, U571, 156 Rue Vaugirad, F-75730 Paris 15, France.

Times Cited: 12

DOI: 10.1016/S1568-7864(02)00241-0

Subject Category: Genetics & Heredity; Toxicology

Record 91 of 133

Author(s): QUINTO, I; TENENBAUM, L; RADMAN, M

Title: GENOTOXIC POTENCY OF MONOFUNCTIONAL ALKYLATING-AGENTS IN ESCHERICHIA-COLI - COMPARISON WITH CARCINOGENIC POTENCY IN RODENTS

Source: MUTATION RESEARCH, 228 (2): 177-185 FEB 1990

Document Type: Article

Addresses: FREE UNIV BRUSSELS,DEPT MOLEC BIOL,B-1640 RHODE ST GENESE,BELGIUM; UNIV PARIS 07,CNRS,JACQUES MONOD INST,F-75251 PARIS,FRANCE

Times Cited: 12

Subject Category: Genetics & Heredity; Toxicology

Record 92 of 133

Author(s): Martinsohn, JT (Martinsohn, Jann T.); Radman, M (Radman, Miroslav); Petit, MA (Petit, Marie-Agnes)

Title: The lambda Red proteins promote efficient recombination between diverged sequences: Implications for bacteriophage genome mosaicism

Source: PLOS GENETICS, 4 (5): Art. No. e1000065 MAY 2008

Document Type: Article

Addresses: [Martinsohn, Jann T.; Radman, Miroslav] Univ Paris 05, INSERM, U571, Fac Med R Descartes, Paris, France; [Petit, Marie-Agnes] INRA, UR888, Jouy En Josas, France

Reprint Address: Martinsohn, JT, DG Joint Res Ctr, Inst Protect & Secur Citizen, European Commiss, Ispra, Italy.

E-mail Address: marie-agnes.petit@jouy.inra.fr

Times Cited: 9

Article Number: e1000065

DOI: 10.1371/journal.pgen.1000065

Subject Category: Genetics & Heredity

Record 93 of 133

Author(s): Kohiyama, M; Hiraga, S; Matic, I; Radman, M

Title: Bacterial sex: Playing voyeurs 50 years later

Source: SCIENCE, 301 (5634): 802-803 AUG 8 2003

Document Type: Article

Addresses: Univ Paris 05, Fac Necker Enfants Malad, INSERM, U571, F-75730 Paris 15, France; Univ Paris 06, Inst Jacques Monod, F-75251 Paris, France; Univ Paris 07, Inst Jacques Monod, F-75251 Paris 05, France; Kyoto Univ, Grad Sch Med, Dept Radiat Genet, Kyoto 6068501, Japan

Reprint Address: Matic, I, Univ Paris 05, Fac Necker Enfants Malad, INSERM, U571, 156 Rue Vaugirard, F-75730 Paris 15, France.

Times Cited: 9

Subject Category: Multidisciplinary Sciences

Record 94 of 133

Author(s): Radman, M

Title: Consumer consumption and perception of organic products in Croatia

Source: BRITISH FOOD JOURNAL, 107 (4-5): 263-273 2005

Document Type: Article

Addresses: Univ Zagreb, Dept Agr Mkt, Fac Agr, Zagreb 41000, Croatia

Reprint Address: Radman, M, Univ Zagreb, Dept Agr Mkt, Fac Agr, Zagreb 41000, Croatia.

Times Cited: 8

DOI: 10.1108/00070700510589530

Subject Category: Food Science & Technology

Record 95 of 133

Author(s): Petranovic, M; Vlahovic, K; Zahradka, D; Dzidic, S; Radman, M

Title: Mismatch repair in Xenopus egg extracts is not strand-directed by DNA methylation

Source: NEOPLASMA, 47 (6): 375-381 2000

Document Type: Article

Addresses: Rudjer Boskovic Inst, Dept Mol Genet, Zagreb 10000, Croatia; Univ Paris 05, Fac Med Necker Enfants Malades, Paris 15, France

Reprint Address: Petranovic, M, Rudjer Boskovic Inst, Dept Mol Genet, Pob 1016, Zagreb 10000, Croatia.

E-mail Address: dina@rudjer.irb.hr

Times Cited: 8

Subject Category: Oncology

Record 96 of 133

Author(s): RADMAN, M; WAGNER, R; KRICKER, MC

Editor(s): Davies, KE; Warren, ST

Title: HOMOLOGOUS DNA INTERACTIONS IN THE EVOLUTION OF GENE AND CHROMOSOME STRUCTURE

Source: GENOME REARRANGEMENT AND STABILITY, 7: 139-152 1993

Book series title: GENOME ANALYSIS

Document Type: Proceedings Paper

Conference Title: Banbury Conference on DNA Repeats and Human Gene Mutations

Conference Date: 1992

Conference Location: COLD SPRING HARBOR, NY

Conference Host: COLD SPRING HARBOR LAB

Addresses: INST JACQUES MONOD,MUTAGENESE LAB,F-75251 PARIS 05,FRANCE

Times Cited: 8

Subject Category: Genetics & Heredity

Record 97 of 133

Author(s): BARBIN, A; TENENBAUM, L; TOMAN, Z; RADMAN, M; BARTSCH, H

Title: RECA-INDEPENDENT MUTAGENICITY INDUCED BY CHLOROETHYLENE OXIDE IN ESCHERICHIA-COLI

Source: MUTATION RESEARCH, 152 (2-3): 157-159 1985

Document Type: Article

Addresses: INTL AGCY RES CANC, DIV ENVIRONM CARCINOGENESIS, 150 COURS ALBERT THOMAS, F-69372 LYON 08, FRANCE; UNIV LIBRE BRUXELLES, BIOPHYS & RADIOBIOL LAB, B-1640 RHODE ST GENESE, BELGIUM

Times Cited: 8

Subject Category: Genetics & Heredity; Toxicology

Record 98 of 133

Author(s): Kokic, S; Bukovic, D; Radman, M; Capkun, V; Gabric, N; Lesko, V; Karelavic, D; Stanceric, T

Title: Lispro insulin and metformin versus other combination in the diabetes mellitus type 2 management after secondary oral antidiabetic drug failure

Source: COLLEGIUM ANTROPOLOGICUM, 27 (1): 181-187 JUN 2003

Document Type: Article

Addresses: Univ Hosp Split, Dept Internal Med, Split 21000, Croatia; Univ Hosp Ctr Zagreb, Dept Obstet & Gynecol, Zagreb, Croatia; Univ Split, Sch Med, Split, Croatia; Ophthalmologh Polyclin, Zagreb, Croatia; Univ Hosp Ctr Zagreb, Dept Oncol, Zagreb, Croatia; Univ Zagreb, Univ Hosp Tumors, Zagreb 41000, Croatia

Reprint Address: Kokic, S, Univ Hosp Split, Dept Internal Med, Soltanska 1, Split 21000, Croatia.

Times Cited: 7

Subject Category: Anthropology

Record 99 of 133

Author(s): Radman, M; Taddei, F; Matic, I

Title: DNA repair systems and bacterial evolution

Source: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, 65: 11-19 2000

Document Type: Proceedings Paper

Conference Title: Cold Spring Harbor Symposium on Quantitative Biology

Conference Date: 2000

Conference Location: NEW YORK, NY

Addresses: Univ Paris 05, Fac Med, INSERM E9916, F-75015 Paris, France

Reprint Address: Radman, M, Univ Paris 05, Fac Med, INSERM E9916, F-75015 Paris, France.

Times Cited: 7

Subject Category: Biochemistry & Molecular Biology; Biology

Record 100 of 133

Author(s): RADMAN, M; TADDEI, F; HALLIDAY, J

Title: DNA MISMATCH REPAIR - FROM BACTERIAL GENETICS TO THE MECHANISMS OF HEREDITARY PREDISPOSITION TO CANCER IN HUMANS

Source: M S-MEDECINE SCIENCES, 10 (10): 1024-1030 OCT 1994

Document Type: Article

Reprint Address: RADMAN, M, INST JACQUES MONOD, MUTAGENESE LAB, 2 PL JUSSIEU, F-75251 PARIS 05, FRANCE.

Times Cited: 7

Subject Category: Medicine, Research & Experimental

Record 101 of 133

Author(s): Elez, M (Elez, Marina); Radman, M (Radman, Miroslav); Matic, I (Matic, Ivan)

Title: The frequency and structure of recombinant products is determined by the cellular level of MutL

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 104 (21): 8935-8940 MAY 22 2007

Document Type: Article

Addresses: Univ Paris 05, INSERM, Fac Med, U571, F-75730 Paris 15, France; Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Matic, I, Univ Paris 05, INSERM, Fac Med, U571, 156 Rue Vaugirard, F-75730 Paris 15, France.

E-mail Address: matic@necker.fr

Times Cited: 6

DOI: 10.1073/pnas.0610149104

Subject Category: Multidisciplinary Sciences

Record 102 of 133

Author(s): Matic, I; Ekiert, D; Radman, M; Kohiyama, M

Title: Generation of DNA-free Escherichia coli cells by 2-aminopurine requires mismatch repair and nonmethylated DNA

Source: JOURNAL OF BACTERIOLOGY, 188 (1): 339-342 JAN 2006

Document Type: Article

Addresses: Univ Paris 05, Fac Med, INSERM, U571, F-75730 Paris 15, France; Univ Paris 06, CNRS, Inst Jacques Monod, F-75251 Paris, France; Univ Paris 07, CNRS, Inst Jacques Monod, F-75251 Paris 05, France

Reprint Address: Matic, I, Univ Paris 05, Fac Med, INSERM, U571, 156 Rue Vaugirard, F-75730 Paris 15, France.

E-mail Address: matic@necker.fr

Times Cited: 6

DOI: 10.1128/JB.188.1.339-342.2006

Subject Category: Microbiology

Record 103 of 133

Author(s): Matic, I; Babic, A; Radman, M

Title: 2-aminopurine allows interspecies recombination by a reversible inactivation of the Escherichia coli mismatch repair system

Source: JOURNAL OF BACTERIOLOGY, 185 (4): 1459-1461 FEB 2003

Document Type: Article

Addresses: Univ Paris 05, INSERM U571, Fac Med Necker Enfants Malad, F-75730 Paris 15, France; Univ Paris 05, MIXIS France SA, Fac Med Necker Enfants Malad, F-75730 Paris, France

Reprint Address: Matic, I, Univ Paris 05, INSERM U571, Fac Med Necker Enfants Malad, 156 Rue Vaugirard, F-75730 Paris 15, France.

Times Cited: 6

DOI: 10.1128/JB.185.4.1459-1461.2003

Subject Category: Microbiology

Record 104 of 133

Author(s): RADMAN, M; WAGNER, R

Title: THE HIGH FIDELITY OF DNA DUPLICATION

Source: SCIENTIFIC AMERICAN, 259 (2): 40-46 AUG 1988

Document Type: Article

Reprint Address: RADMAN, M, CNRS, F-75005 PARIS, FRANCE.

Times Cited: 6

Subject Category: Multidisciplinary Sciences

Record 105 of 133

Author(s): Weill, JC; Radman, M

Title: How good is our genome?

Source: PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 359 (1441): 95-98 JAN 29 2004

Document Type: Proceedings Paper

Conference Title: Royal-Society Discussion Meeting on Replicating and Reshaping DNA

Conference Date: APR 23-24, 2003

Conference Location: LONDON, ENGLAND

Conference Host: ROYAL SOC

Addresses: Univ Paris 05, Fac Med Necker Enfants Malad, Paris, France

Reprint Address: Weill, JC, Univ Paris 05, Fac Med Necker Enfants Malad, Paris, France.

E-mail Address: weill@necker.fr; radman@necker.ft

Times Cited: 5

DOI: 10.1098/rstb.2003.1369

Subject Category: Biology

Record 106 of 133

Author(s): Battista, JR; Cox, MM; Daly, MJ; Narumi, I; Radman, M; Sommer, S

Title: The structure of D-radiodurans

Source: SCIENCE, 302 (5645): 567-567 OCT 24 2003

Document Type: Letter

Addresses: Louisiana State Univ, Baton Rouge, LA 70803 USA; Univ Wisconsin, Dept Biochem, Madison, WI 53706 USA; Uniformed Serv Univ Hlth Sci, Dept Pathol, Bethesda, MD 20814 USA; Japan Atom Energy Res Inst, Takasaki Radiat Chem Res Estab, Dept Ion Beam Appl Biol, Biotechnol Lab, Gunma 3701292, Japan; Univ Paris 05, Fac Med Necker Enfants Malad, INSERM,U571, Lab Genet Mol Evolut & Med, F-75730 Paris 15, France; Univ Paris 11, Inst Genet & Microbiol, F-91405 Orsay, France

Reprint Address: Battista, JR, Louisiana State Univ, 202 Life Sci, Baton Rouge, LA 70803 USA.

Times Cited: 4

Subject Category: Multidisciplinary Sciences

Record 107 of 133

Author(s): PETRANOVIC, M; PETRANOVIC, D; DOHET, C; BROOKS, P; RADMAN, M

Title: SOME RESTRICTION ENDONUCLEASES TOLERATE SINGLE MISMATCHES OF THE PYRIMIDINE-PURINE TYPE

Source: NUCLEIC ACIDS RESEARCH, 18 (8): 2159-2162 APR 25 1990

Document Type: Article

Addresses: RUDJER BOSKOVIC INST,YU-41001 ZAGREB,YUGOSLAVIA

Reprint Address: PETRANOVIC, M, INST JACQUES MONOD,T43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 4

Subject Category: Biochemistry & Molecular Biology

Record 108 of 133

Author(s): RADMAN, M; DOHET, C; JONES, M; DOUTRIAUX, MP; LAENGLEROUAULT, F; MAENHAUTMICHEL, G; WAGNER, R

Title: PROCESSING OF MISPAIRED AND UNPAIRED BASES IN HETERODUPLEX DNA IN ESCHERICHIA-COLI

Source: BIOCHIMIE, 67 (7-8): 745-752 1985

Document Type: Article

Addresses: UNIV LIBRE BRUXELLES,DEPT BIOL MOLEC,B-1640 RHODE ST GENESE,BELGIUM

Reprint Address: RADMAN, M, UNIV PARIS 07,CNRS,INST JACQUES MONOD,MUTAGENESE LAB,TOUR 43,2 PL JUSSIEU,F-75251 PARIS 05,FRANCE.

Times Cited: 4

Subject Category: Biochemistry & Molecular Biology

Record 109 of 133

Author(s): Gomez, A; Galic, T; Mariet, JF; Matic, I; Radman, M; Petit, MA

Title: Creating new genes by plasmid recombination in Escherichia coli and Bacillus subtilis

Source: APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 71 (11): 7607-7609 NOV 2005

Document Type: Article

Addresses: Necker Enfants Malad, U571 INSERM, Fac Med, F-75015 Paris, France; Eucodis GmbH, A-1230 Vienna, Austria

Reprint Address: Petit, MA, INRA, URLGA, F-78352 Jouy En Josas, France.

E-mail Address: marie-agnes.petit@jouy.inra.fr

Times Cited: 3

DOI: 10.1128/AEM.71.11.7607-7609.2005

Subject Category: Biotechnology & Applied Microbiology; Microbiology

Record 110 of 133

Author(s): VILLANI, G; SPADARI, S; BOITEUX, S; DEFAIS, M; CAILLETFAUQUET, P; RADMAN, M

Title: REPLICATION OF CHEMICALLY MODIFIED DNA

Source: BIOCHIMIE, 60 (10): 1145-1150 1978

Document Type: Article

Addresses: CNR, GENET BIOCHIM & EVOLUZ LAB, PAVIA, ITALY

Reprint Address: VILLANI, G, UNIV LIBRE BRUXELLES, DEPT BIOL MOLEC, B-1640 RHODE ST GENESE, BELGIUM.

Times Cited: 3

Subject Category: Biochemistry & Molecular Biology

Record 111 of 133

Author(s): Nuhn, P; Herrmann, A; Radman, M

Title: Synthesis of substituted benzoyl acrylic acids as potential inhibitors of phospholipase A(2)

Source: PHARMAZIE, 54 (2): 93-98 FEB 1999

Document Type: Article

Addresses: Univ Halle Wittenberg, Inst Pharmazeut Chem, D-06120 Halle, Germany

Reprint Address: Nuhn, P, Univ Halle Wittenberg, Inst Pharmazeut Chem, Wolfgang Langenbeck Str 4, D-06120 Halle, Germany.

Times Cited: 2

Subject Category: Chemistry, Medicinal; Chemistry, Multidisciplinary; Pharmacology & Pharmacy

Record 112 of 133

Author(s): Matic, I; Taddei, F; Radman, M

Title: Towards a molecular genetics of evolution of species

Source: M S-MEDECINE SCIENCES, 12 (8-9): 891-898 AUG-SEP 1996

Document Type: Article

Addresses: UNIV PARIS 07, INST JACQUES MONOD, CNRS, F-75251 PARIS 05, FRANCE

Times Cited: 2

Subject Category: Medicine, Research & Experimental

Record 113 of 133

Author(s): TADDEI, F; RADMAN, M; HALLIDAY, JA

Title: MUTATION-RATE OF THE F-EPIHOME

Source: SCIENCE, 269 (5222): 288-289 JUL 21 1995

Document Type: Letter

Reprint Address: TADDEI, F, UNIV PARIS 07, CNRS, INST JACQUES MONOD, TOUR 43, 2 PL JUSSIEU, F-

75251 PARIS 05,FRANCE.

Times Cited: 2

Subject Category: Multidisciplinary Sciences

Record 114 of 133

Author(s): Krisko, A (Krisko, Anita); Radman, M (Radman, Miroslav)

Title: Protein damage and death by radiation in Escherichia coli and Deinococcus radiodurans

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 107 (32): 14373-14377 AUG 10 2010

Document Type: Article

Addresses: [Krisko, Anita; Radman, Miroslav] Univ Paris 05, Sch Med, INSERM, U571, F-75751 Paris 15, France; [Radman, Miroslav] Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Radman, M, Univ Paris 05, Sch Med, INSERM, U571, F-75751 Paris 15, France.

E-mail Address: miroslav.radman@inserm.fr

Times Cited: 1

DOI: 10.1073/pnas.1009312107

Subject Category: Multidisciplinary Sciences

Record 115 of 133

Author(s): Elez, M (Elez, Marina); Murray, AW (Murray, Andrew W.); Bi, LJ (Bi, Li-Jun); Zhang, XE (Zhang, Xian-En); Matic, I (Matic, Ivan); Radman, M (Radman, Miroslav)

Title: Seeing Mutations in Living Cells

Source: CURRENT BIOLOGY, 20 (16): 1432-1437 AUG 24 2010

Document Type: Article

Addresses: [Elez, Marina; Matic, Ivan; Radman, Miroslav] Univ Paris 05, Sch Med, INSERM, U1001, F-75730 Paris 15, France; [Murray, Andrew W.] Harvard Univ, Dept Mol & Cellular Biol, Cambridge, MA 02138 USA; [Bi, Li-Jun] Chinese Acad Sci, Inst Biophys, Natl Lab Biomacromol, Beijing 100101, Peoples R China; [Zhang, Xian-En] Chinese Acad Sci, Wuhan Inst Virol, State Key Lab Virol, Wuhan 430071, Peoples R China; [Radman, Miroslav] Mediterranean Inst Life Sci, Split 21000, Croatia

Reprint Address: Matic, I, Univ Paris 05, Sch Med, INSERM, U1001, F-75730 Paris 15, France.

E-mail Address: ivan.matic@inserm.fr

Times Cited: 1

DOI: 10.1016/j.cub.2010.06.071

Subject Category: Biochemistry & Molecular Biology

Record 116 of 133

Author(s): Soldo-Juresa, D (Soldo-Juresa, Dragica); Radman, M (Radman, Maja); Pejsa, V (Pejsa, Vlatko); Bozиков, V (Bozиков, Velimir)

Title: Reactive macrophage activation syndrome in a patient with parvovirus B19 infection, lymphocytic lichenoid vasculitis, urticaria and angioedema

Source: ANNALS OF SAUDI MEDICINE, 30 (1): 88-89 JAN-FEB 2010

Document Type: Article

Addresses: [Radman, Maja] Univ Hosp Ctr Split, Dept Endocrinol, Split 21000, Croatia; [Soldo-Juresa, Dragica] Univ Zagreb, Univ Hosp Vuk Vrhovac, Zagreb, Croatia; [Pejsa, Vlatko; Bozиков, Velimir] Univ Zagreb, Univ Hosp Dubrava, Dept Internal Med, Zagreb, Croatia

Reprint Address: Radman, M, Univ Hosp Ctr Split, Dept Endocrinol, Soltanska 1, Split 21000, Croatia.

E-mail Address: maja.radman1@st.htnet.hr

Times Cited: 1

DOI: 10.4103/0256-4947.59371

Subject Category: Medicine, General & Internal

Record 117 of 133

Author(s): Radman, M (Radman, Maja); Tomas, D (Tomas, Davor); Situm, M (Situm, Mirna); Solter, M (Solter,

Miljenko)

Title: What could be expected after fifteen years of amiodarone therapy?

Source: EUROPEAN JOURNAL OF DERMATOLOGY, 18 (2): 202-203 MAR-APR 2008

Document Type: Letter

Addresses: [Radman, Maja] Univ Hosp Split, Dept Internal Med, Split 21000, Croatia; [Tomas, Davor] Univ Hosp Sisters Mercy, Dept Pathol, Zagreb, Croatia; [Situm, Mirna] Univ Hosp Sisters Mercy, Dept Dermatol, Zagreb, Croatia; [Solter, Miljenko] Univ Hosp Sisters Mercy, Dept Internal Med, Zagreb, Croatia

Reprint Address: Radman, M, Univ Hosp Split, Dept Internal Med, Soltanska 1, Split 21000, Croatia.

E-mail Address: dragica.soldo@inet.hr

Times Cited: 1

Subject Category: Dermatology

Record 118 of 133

Author(s): Radman, M (Radman, Maja); Jurisic, D (Jurisic, Dubravka); Ljutic, D (Ljutic, Dragan); Lerkovic, R (Lerkovic, Romana); Kovacic, N (Kovacic, Natasa); Hozo, IS (Hozo, Izet Salih)

Title: Assessing glycemia in type 1 diabetic patients using a microdialysis system for continuous glucose monitoring

Source: ANNALS OF SAUDI MEDICINE, 27 (3): 166-170 MAY-JUN 2007

Document Type: Article

Addresses: Clin Hosp Split, Dept Internal Med, Gastroenterol & Hepatol Unit, Split, Croatia; Clin Hosp Split, Dept Internal Med, Endocrinol Unit, Split, Croatia; Clin Hosp Split, Dept Internal Med, Nephrol Unit, Split, Croatia; Clin Hosp Ctr, Dept Internal Med, Endocrinol Unit, Rijeka, Croatia; Univ Rijeka, Dept Anat, Fac Med, Rijeka, Croatia; Diagnostics, Florence, Italy

Reprint Address: Hozo, IS, Clin Hosp Split, Dept Internal Med, Gastroenterol & Hepatol Unit, Soltanska 3, Split, Croatia.

E-mail Address: Izet.Hozo@st.htnet.hr

Times Cited: 1

Subject Category: Medicine, General & Internal

Record 119 of 133

Author(s): Kokic, S; Radman, M; Capkun, V; Dovzak-Kokic, D; Tesanovic, S

Title: Comparative assessment of the treatment of type 2 diabetes mellitus

Source: ANNALS OF SAUDI MEDICINE, 22 (3-4): 163-166 MAY-JUL 2002

Document Type: Article

Addresses: Clin Hosp Split Krizine, Split 2100, Croatia

Reprint Address: Kokic, S, Clin Hosp Split Krizine, Soltanska 1, Split 2100, Croatia.

Times Cited: 1

Subject Category: Medicine, General & Internal

Record 120 of 133

Author(s): Nuhn, P; Radman, M; Hermann, A; Marx, K

Title: Synthesis of lipophilic keto acids by acylation of alkylbenzenes as potential inhibitors of phospholipase A(2)

Source: PHARMAZIE, 53 (12): 825-829 DEC 1998

Document Type: Article

Addresses: Univ Halle Wittenberg, Inst Pharmazeut Chem, D-06120 Halle, Germany

Reprint Address: Nuhn, P, Univ Halle Wittenberg, Inst Pharmazeut Chem, Wolfgang Langenbeck Str 4, D-06120 Halle, Germany.

Times Cited: 1

Subject Category: Chemistry, Medicinal; Chemistry, Multidisciplinary; Pharmacology & Pharmacy

Record 121 of 133

Author(s): Taddei, F; Matic, I; Radman, M

Title: Adaptative mutagenesis

Source: M S-MEDECINE SCIENCES, 13 (3): R1-R6 MAR 1997

Document Type: Article

Reprint Address: Taddei, F, UNIV PARIS 07, INST JACQUES MONOD, LAB MUTAGENESE, 2 PL JUSSIEU, F-75251 PARIS, FRANCE.

Times Cited: 1

Subject Category: Medicine, Research & Experimental

Record 122 of 133

Author(s): Repar, J (Repar, Jelena); Cvjetan, S (Cvjetan, Svjetlana); Slade, D (Slade, Dea); Radman, M (Radman, Miroslav); Zahradka, D (Zahradka, Davor); Zahradka, K (Zahradka, Ksenija)

Title: RecA protein assures fidelity of DNA repair and genome stability in *Deinococcus radiodurans*

Source: DNA REPAIR, 9 (11): 1151-1161 NOV 10 2010

Document Type: Article

Addresses: [Repar, Jelena; Cvjetan, Svjetlana; Zahradka, Davor; Zahradka, Ksenija] Rudjer Boskovic Inst, Dept Mol Biol, Zagreb 10000, Croatia; [Cvjetan, Svjetlana; Radman, Miroslav; Zahradka, Ksenija] Mediterranean Inst Life Sci, Split 21000, Croatia; [Slade, Dea; Radman, Miroslav] Univ Paris 05, Fac Med, INSERM U571, F-75015 Paris, France

Reprint Address: Zahradka, K, Rudjer Boskovic Inst, Dept Mol Biol, Bijenicka 54, Zagreb 10000, Croatia.

E-mail Address: kvlahovi@irb.hr

Times Cited: 0

DOI: 10.1016/j.dnarep.2010.08.003

Subject Category: Genetics & Heredity; Toxicology

Record 123 of 133

Author(s): Kastelan, D (Kastelan, Darko); Vlak, T (Vlak, Tonko); Lozo, P (Lozo, Petar); Gradiser, M (Gradiser, Marina); Mijic, S (Mijic, Sime); Nikolic, T (Nikolic, Tatjana); Miskic, B (Miskic, Blazenka); Car, D (Car, Dolores); Tajsic, G (Tajsic, Gordana); Dusek, T (Dusek, Tina); Jajic, Z (Jajic, Zrinka); Grubisic, F (Grubisic, Frane); Poljicanin, T (Poljicanin, Tamara); Bakula, M (Bakula, Miro); Dzibur, F (Dzibur, Fedja); Strizak-Ujevic, M (Strizak-Ujevic, Matilda); Kadojic, M (Kadojic, Mira); Radman, M (Radman, Maja); Vugrinec, M (Vugrinec, Maja); Kuster, Z (Kuster, Zeljka); Pekez, M (Pekez, Marijeta); Radovic, E (Radovic, Endi); Labar, L (Labar, Ljubica); Crncevic-Orlic, Z (Crncevic-Orlic, Zeljka); Korsic, M (Korsic, Mirko)

Title: Health-Related Quality of Life Among Patients with Postmenopausal Osteoporosis Treated with Weekly and Monthly Bisphosphonates

Source: ENDOCRINE RESEARCH, 35 (4): 165-173 2010

Document Type: Article

Addresses: [Kastelan, Darko; Dusek, Tina; Dzibur, Fedja; Korsic, Mirko] Univ Hosp Zagreb, Dept Endocrinol, Zagreb 10000, Croatia; [Vlak, Tonko] Univ Hosp Split, Dept Rehabil Med & Rheumatol, Split, Croatia; [Lozo, Petar] Outpatient Clin Gynaecol Lozo, Zadar, Croatia; [Gradiser, Marina] Cty Hosp Cakovec, Dept Internal Med, Cakovec, Croatia; [Mijic, Sime] Hlth Med Ctr Phys Med & Rehabil, Jastrebarsko, Croatia; [Nikolic, Tatjana; Car, Dolores; Tajsic, Gordana] Univ Clin Traumatol, Zagreb, Croatia; [Miskic, Blazenka] Dr Josip Bencevic Gen Hosp, Dept Internal Med, Slavonski Brod, Croatia; [Jajic, Zrinka; Grubisic, Frane] Univ Hosp Sestre Milosrdnice, Dept Rheumatol Phys Med & Rehabil, Zagreb, Croatia; [Poljicanin, Tamara] Vuk Vrhovac Univ Clin Diabet Endocrinol & Metab D, Zagreb, Croatia; [Bakula, Miro] Gen Hosp Sv Duh, Dept Endocrinol Diabet & Metab Disorders, Zagreb, Croatia; [Strizak-Ujevic, Matilda] Gen Hosp Sibenik, Shibenik, Croatia; [Kadojic, Mira] Univ Hosp Osijek, Dept Phys Med & Rehabil, Osijek, Croatia; [Radman, Maja] Univ Hosp Split, Dept Diabet Endocrinol & Metab, Split, Croatia; [Vugrinec, Maja; Kuster, Zeljka; Pekez, Marijeta] Univ Zagreb, Sch Med, Zagreb 41001, Croatia; [Radovic, Endi] Univ Hosp Rijeka, Dept Phys & Rehabil Med, Rijeka, Croatia; [Labar, Ljubica] Special Hosp Orthopaed, Biograd, Croatia; [Crncevic-Orlic, Zeljka] Univ Hosp Rijeka, Dept Endocrinol, Rijeka, Croatia

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E-mail Address: dkastelan@inet.hr

Times Cited: 0

DOI: 10.3109/07435800.2010.505218

Subject Category: Endocrinology & Metabolism

Record 124 of 133

Author(s): Soldo-Juresa, D (Soldo-Juresa, D.); Radman, M (Radman, M.); Laktasic, N (Laktasic, N.); Brkljacic, B (Brkljacic, B.); Bozиков, V (Bozиков, V.)

Title: How much do we know about human brucellosis?

Source: ZEITSCHRIFT FUR RHEUMATOLOGIE, 68 (6): 495-497 AUG 2009

Document Type: Article

Addresses: [Radman, M.] Univ Hosp Split, Dept Internal Med, Split 21000, Croatia; [Soldo-Juresa, D.] Univ Zagreb, Vuk Vrhovac Univ Clin, Zagreb, Croatia; [Laktasic, N.] Univ Zagreb, Univ Hosp, Dept Rheumatol, Zagreb, Croatia; [Brkljacic, B.] Univ Zagreb, Dept Radiol, Zagreb, Croatia; [Bozikov, V.] Univ Zagreb, Univ Hosp Dubrava, Dept Internal Med, Zagreb, Croatia

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E-mail Address: maja.radman1@t-com.hr

Times Cited: 0

DOI: 10.1007/s00393-009-0459-x

Subject Category: Rheumatology

Record 125 of 133

Author(s): Radman, M (Radman, Maja); Kraus, O (Kraus, Ognjen); Solter, M (Solter, Miljenko)

Title: Male hypogonadism in a patient with Cogan syndrome

Source: ANNALS OF SAUDI MEDICINE, 28 (6): 471-472 NOV-DEC 2008

Document Type: Letter

Addresses: [Radman, Maja] Univ Hosp, Ctr Split, Dept Endocrinol, Split 21000, Croatia; [Kraus, Ognjen] Univ Hosp Sestre Milosrdnice, Dept Urol, Zagreb 10000, Croatia; [Solter, Miljenko] Univ Hosp Sestre Milosrdnice, Dept Endocrinol, Zagreb 10000, Croatia

Reprint Address: Radman, M, Univ Hosp, Ctr Split, Dept Endocrinol, Soltanska 1, Split 21000, Croatia.

E-mail Address: maja.radman1@st.htnet.hr

Times Cited: 0

Subject Category: Medicine, General & Internal

Record 126 of 133

Author(s): Radman, M (Radman, Maja); Erzen, DJ (Erzen, Dubravka Jurisic); Ljutic, D (Ljutic, Dragan); Soldo, D (Soldo, Dragica); Sincic-Mijandrusic, B (Sincic-Mijandrusic, Brankica); Jerkovic, R (Jerkovic, Romana)

Title: The rare side effect during Microdialysis continuous subcutaneous glucose monitoring in type 1 diabetic patient

Source: ENDOCRINOLOGIST, 17 (5): 252-254 SEP-OCT 2007

Document Type: Article

Addresses: Clin Hosp Split, Dept Internal Med, Split, Croatia; Clin Hosp Ctr Rijeka, Dept Internal Med, Rijeka, Croatia; Univ Zagreb, Univ Hosp Dubrava, Dept Internal Med, Zagreb, Croatia; Univ Rijeka, Fac Med, Dept Anat, Rijeka, Croatia

Reprint Address: Erzen, DJ, Brestovice 54, Kastav 51215, Croatia.

E-mail Address: romana@medri.hr

Times Cited: 0

DOI: 10.1097/TEN.0b013e3181578aef

Subject Category: Endocrinology & Metabolism

Record 127 of 133

Author(s): Radman, M; Karolyi, D; Kovacic, D

Title: Consumer satisfaction with Slavonian Kulen from Black Slavonian or modern pigs

Source: ITALIAN JOURNAL OF ANIMAL SCIENCE, 4: 181-183 Suppl. 3 2005

Document Type: Proceedings Paper

Conference Title: 13th International Symposium on Animal Science Days

Conference Date: SEP 12-15, 2005

Conference Location: Agripolis, ITALY

Addresses: Univ Zagreb, Dept Agr Mkt, Zagreb 41000, Croatia; Univ Zagreb, Dept Anim Sci, Zagreb 41000, Croatia

Reprint Address: Radman, M, Agron Fak Sveucilista u Zagrebu, Zavod Mkt Poljoprivredi, Svetosimunska 25, Zagreb, Croatia.

E-mail Address: mradman@agr.hr

Times Cited: 0

Subject Category: Agriculture, Dairy & Animal Science; Agriculture, Multidisciplinary; Veterinary Sciences

Record 128 of 133

Author(s): Radman, M

Editor(s): PifatMrzijak, G

Title: Molecular and cellular levels of biological evolution

Source: SUPRAMOLECULAR STRUCTURE AND FUNCTION 8: 273-286 2004

Document Type: Proceedings Paper

Conference Title: 8th International Summer School in Biophysics - Supramolecular Structure and Function

Conference Date: SEP 14-26, 2003

Conference Location: Rovinj, CROATIA

Addresses: Univ Paris 05, Fac Med Necker Enfants Malades, INSERM, U 571, F-75012 Paris, France

Reprint Address: Radman, M, Univ Paris 05, Fac Med Necker Enfants Malades, INSERM, U 571, 156 Rue Vaugirard, F-75012 Paris, France.

Times Cited: 0

Subject Category: Biochemistry & Molecular Biology

Record 129 of 133

Author(s): Kovacic, D; Radman, M; Haas, R

Title: Segmentation of city market customers in Croatia - Towards a marketing strategy for fruit and vegetable markets

Source: BODENKULTUR, 53 (4): 207-216 DEC 2002

Document Type: Article

Addresses: Univ Zagreb, Dept Agr Mkt, Fac Agron, HR-1000 Zagreb, Croatia; Univ Agr Sci, Inst Agr Econ, A-1190 Vienna, Austria

Reprint Address: Kovacic, D, Univ Zagreb, Dept Agr Mkt, Fac Agron, Svetosimunska Cesta 25, HR-1000 Zagreb, Croatia.

Times Cited: 0

Subject Category: Agriculture, Multidisciplinary

Record 130 of 133

Author(s): Kovacic, D; Kolega, A; Radman, M

Editor(s): Ogier, JP

Title: Direct selling applied to strawberry

Source: PROCEEDINGS OF THE XIVTH INTERNATIONAL SYMPOSIUM ON HORTICULTURAL ECONOMICS, (536): 513-520 2000

Book series title: ACTA HORTICULTURAE

Document Type: Proceedings Paper

Conference Title: XIVth International Symposium on Horticultural Economics

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Reprint Address: Kovacic, D, Univ Zagreb, Fac Agr, Svetosimunska 25, HR-10000 Zagreb, Croatia.

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Subject Category: Horticulture

Record 131 of 133

Author(s): Radman, M

Title: Conservation versus change: Lessons from genetics

Source: PERIODICUM BIOLOGORUM, 100 (3): 253-257 NOV 1998

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Addresses: Inst Jacques Monod, F-75251 Paris 05, France

Reprint Address: Radman, M, Inst Jacques Monod, 2 Pl Jussieu, F-75251 Paris 05, France.

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Subject Category: Biology

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Title: Something new in the origin of species

Source: RECHERCHE, (291): 52-59 OCT 1996

Document Type: Article

Reprint Address: Taddei, F, UNIV PARIS 07, INST JACQUES MONOD, LAB MUTAGENESE, CNRS, F-75251 PARIS, FRANCE.

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Subject Category: Multidisciplinary Sciences

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Document Type: Article

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