



## HIGHLY CITED PAPERS IN BIOLOGY &amp; BIOCHEMISTRY

Sorted by: Citations 

81 - 100 (of 5708)



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81 Citations: 894

WEB OF SCIENCE

**Title:** ELECTROSTATICS OF NANOSYSTEMS: APPLICATION TO MICROTUBULES AND THE RIBOSOME**Authors:** [BAKER NA](#); [SEPT D](#); [JOSEPH S](#); [HOLST MJ](#); [MCCAMMON JA](#)**Source:** [PROC NAT ACAD SCI USA](#) 98 (18): 10037-10041 AUG 28 2001**Addresses:** [Univ Calif San Diego](#), Dept Chem & Biochem, 9500 Gilman Dr, Mail Code 0365, La Jolla, CA 92093 USA.  
[Univ Calif San Diego](#), Dept Chem & Biochem, La Jolla, CA 92093 USA.  
[Univ Calif San Diego](#), Dept Math, La Jolla, CA 92093 USA.  
[Univ Calif San Diego](#), Dept Pharmacol, La Jolla, CA 92093 USA.  
[Univ Calif San Diego](#), Howard Hughes Med Inst, La Jolla, CA 92093 USA.  
[Univ Washington](#), Dept Biomed Engr, St Louis, MO 63130 USA.**Field:** [BIOLOGY & BIOCHEMISTRY](#)

82 Citations: 887

WEB OF SCIENCE

**Title:** PROTEIN FOLDING AND MISFOLDING**Authors:** [DOBSON CM](#)**Source:** [NATURE](#) 426 (6968): 884-890 DEC 18 2003**Addresses:** [Univ Cambridge](#), Dept Chem, Lensfield Rd, Cambridge CB2 1EW, [England](#).  
[Univ Cambridge](#), Dept Chem, Cambridge CB2 1EW, [England](#).**Field:** [BIOLOGY & BIOCHEMISTRY](#)

83 Citations: 875

WEB OF SCIENCE

**Title:** QUANTUM-DOT-TAGGED MICROBEADS FOR MULTIPLEXED OPTICAL CODING OF BIOMOLECULES**Authors:** [HAN MY](#); [GAO XH](#); [SU JZ](#); [NIE S](#)**Source:** [NAT BIOTECHNOL](#) 19 (7): 631-635 JUL 2001**Addresses:** [Indiana Univ](#), Dept Chem, Bloomington, IN 47405 USA.**Field:** [BIOLOGY & BIOCHEMISTRY](#)

84 Citations: 863

WEB OF SCIENCE

**Title:** CRYSTAL STRUCTURE OF AN ACH-BINDING PROTEIN REVEALS THE LIGAND-

## BINDING DOMAIN OF NICOTINIC RECEPTORS

**Authors:** [BREJC K](#); [VAN DIJK WJ](#); [KLAASSEN RV](#); [SCHUURMANS M](#); [VAN DER OOST J](#); [SMIT AB](#); [SIXMA TK](#)

**Source:** [NATURE](#) 411 (6835): 269-276 MAY 17 2001

**Addresses:** [Netherlands Canc Inst](#), Div Mol Carcinogenesis, Plesmanlaan 121, NL-1066 CX Amsterdam, [Netherlands](#).  
[Netherlands Canc Inst](#), Div Mol Carcinogenesis, NL-1066 CX Amsterdam, [Netherlands](#).  
[Free Univ Amsterdam](#), Fac Biol, Neurosci Res Inst, Dept Mol & Cellular Neurobiol, NL-1081 HV Amsterdam, [Netherlands](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

85 Citations: 861 

WEB OF SCIENCE

**Title:** PSEUDO-SECOND ORDER MODEL FOR SORPTION PROCESSES

**Authors:** [HO YS](#); [MCKAY G](#)

**Source:** [PROCESS BIOCHEM](#) 34 (5): 451-465 JUL 1999

**Addresses:** [Hong Kong Univ Sci & Technol](#), Dept Chem Engn, Hong Kong, [Peoples R China](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

86 Citations: 858 

WEB OF SCIENCE

**Title:** THE PFAM PROTEIN FAMILIES DATABASE

**Authors:** [BATEMAN A](#); [BIRNEY E](#); [DURBIN R](#); [EDDY SR](#); [HOWE KL](#); [SONNHAMMER ELL](#)

**Source:** [NUCL ACID RES](#) 28 (1): 263-266 JAN 1 2000

**Addresses:** [Sanger Ctr](#), Wellcome Genome Trust Campus, Cambridge CB10 1SA, [England](#).  
[Sanger Ctr](#), Cambridge CB10 1SA, [England](#).  
[Washington Univ](#), Sch Med, Dept Genet, St Louis, MO 63110 USA.  
[Karolinska Inst](#), Ctr Genom Res, S-17177 Stockholm, [Sweden](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

87 Citations: 857 

WEB OF SCIENCE

**Title:** THREE-DIMENSIONAL STRUCTURE OF CYANOBACTERIAL PHOTOSYSTEM I AT 2.5 ANGSTROM RESOLUTION

**Authors:** [JORDAN P](#); [FROMME P](#); [WITT HT](#); [KLUKAS O](#); [SAENGER W](#); [KRAUSS N](#)

**Source:** [NATURE](#) 411 (6840): 909-917 JUN 21 2001

**Addresses:** [Tech Univ Berlin](#), Max Volmer Lab Biophys Chem, Inst Chem, Fak 2, Str 17, Juni 135, D-10623 Berlin, [Germany](#).  
[Tech Univ Berlin](#), Max Volmer Lab Biophys Chem, Inst Chem, Fak 2, D-10623 Berlin, [Germany](#).  
[Free Univ Berlin](#), Inst Chem Kristallog, D-14195 Berlin, [Germany](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

88 Citations: 853 

WEB OF SCIENCE

**Title:** INTEGRATED GENOMIC AND PROTEOMIC ANALYSES OF A SYSTEMATICALLY PERTURBED METABOLIC NETWORK

**Authors:** [IDEKER T](#); [THORSSON V](#); [RANISH JA](#); [CHRISTMAS R](#); [BUHLER J](#); [ENG JK](#); [BUMGARNER R](#); [GOODLETT DR](#); [AEBERSOLD R](#); [HOOD L](#)

**Source:** [SCIENCE](#) 292 (5518): 929-934 MAY 4 2001

**Addresses:** [Inst Syst Biol](#), 4225 Roosevelt Way NE, Suite 200, Seattle, WA 98105 USA.  
[Inst Syst Biol](#), Seattle, WA 98105 USA.  
[Univ Washington](#), Dept Mol Biotechnol, Seattle, WA 98195 USA.  
[Univ Washington](#), Dept Comp Sci, Seattle, WA 98195 USA.  
[Univ Washington](#), Dept Microbiol, Seattle, WA 98195 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

89 Citations: 853 

WEB OF SCIENCE

**Title:** CREB: A STIMULUS-INDUCED TRANSCRIPTION FACTOR ACTIVATED BY A DIVERSE ARRAY OF EXTRACELLULAR SIGNALS

**Authors:** [SHAYWITZ AJ](#); [GREENBERG ME](#)

**Source:** [ANNU REV BIOCHEM](#) 68: 821-861 1999

**Addresses:** [Childrens Hosp](#), Dept Neurol, Div Neurosci, Boston, MA 02115 USA.  
[Harvard Univ](#), Sch Med, Dept Neurobiol, Program Biol & Biomed Sci, Boston, MA 02115 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

90 Citations: 845 

WEB OF SCIENCE

**Title:** TANDEM REPEATS FINDER: A PROGRAM TO ANALYZE DNA SEQUENCES

**Authors:** [BENSON G](#)

**Source:** [NUCL ACID RES](#) 27 (2): 573-580 JAN 15 1999

**Addresses:** [CUNY Mt Sinai Sch Med](#), Dept Biomath Sci, New York, NY 10029 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

91 Citations: 844 

WEB OF SCIENCE

**Title:** A CONSERVED FAMILY OF PROLYL-4-HYDROXYLASES THAT MODIFY HIF

**Authors:** [BRUICK RK](#); [MCKNIGHT SL](#)

**Source:** [SCIENCE](#) 294 (5545): 1337-1340 NOV 9 2001

**Addresses:** [Univ Texas](#), SW Med Ctr, Dept Biochem, 5323 Harry Hines Blvd L3-124, Dallas, TX 75390 USA.  
[Univ Texas](#), SW Med Ctr, Dept Biochem, Dallas, TX 75390 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

92 Citations: 842 

WEB OF SCIENCE

**Title:** REDOX ENVIRONMENT OF THE CELL AS VIEWED THROUGH THE REDOX STATE OF THE GLUTATHIONE DISULFIDE/GLUTATHIONE COUPLE

**Authors:** [SCHAFFER FQ](#); [BUETTNER GR](#)

**Source:** [FREE RADICAL BIOL MED](#) 30 (11): 1191-1212 JUN 1 2001

**Addresses:** [Univ Iowa](#), Free Rad Res Inst, EMRB 68, Iowa City, IA 52242 USA.  
[Univ Iowa](#), Free Rad Res Inst, Iowa City, IA 52242 USA.  
[Univ Iowa](#), ESR Facil, Iowa City, IA 52242 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

93 Citations: 840 

WEB OF SCIENCE

**Title:** THE 26S PROTEASOME: A MOLECULAR MACHINE DESIGNED FOR CONTROLLED PROTEOLYSIS

**Authors:** [VOGES D](#); [ZWICKL P](#); [BAUMEISTER W](#)

**Source:** [ANNU REV BIOCHEM](#) 68: 1015-1068 1999

**Addresses:** [Max Planck Inst Biochem](#), D-82152 Martinsried, [Germany](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

94 Citations: 835 

WEB OF SCIENCE

**Title:** PEPTIDOGLYCAN- AND LIPOTEICHOIC ACID-INDUCED CELL ACTIVATION IS MEDIATED BY TOLL-LIKE RECEPTOR 2

**Authors:** [SCHWANDNER R](#); [DZIARSKI R](#); [WESCHE H](#); [ROTHE M](#); [KIRSCHNING CJ](#)

**Source:** [J BIOL CHEM](#) 274 (25): 17406-17409 JUN 18 1999

**Addresses:** DeveloGen AG, Rudolf Wissel Str 28, D-37079 Gottingen, [Germany](#).  
[Tularik Inc](#), S San Francisco, CA 94080 USA.  
[Indiana Univ](#), Sch Med, NW Ctr Med Educ, Gary, IN 46408 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

95 Citations: 830 

WEB OF SCIENCE

**Title:** INTERACTING APPETITE-REGULATING PATHWAYS IN THE HYPOTHALAMIC REGULATION OF BODY WEIGHT

**Authors:** [KALRA SP](#); [DUBE MG](#); [PU SY](#); [XU B](#); [HORVATH TL](#); [KALRA PS](#)

**Source:** [ENDOCRINE REV](#) 20 (1): 68-100 FEB 1999

**Addresses:** [Univ Florida](#), Coll Med, Dept Neurosci, POB 100244, Gainesville, FL 32610 USA.  
[Univ Florida](#), Coll Med, Dept Neurosci, Gainesville, FL 32610 USA.  
[Univ Florida](#), Coll Med, Dept Physiol, Gainesville, FL 32610 USA.  
[Univ Florida](#), Coll Med, Inst Brain, Gainesville, FL 32610 USA.  
[Yale Univ](#), Sch Med, Dept Obstet & Gynecol, New Haven, CT 06510 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

96 Citations: 825 

COMMENTARY

WEB OF SCIENCE

**Title:** INHERENT TOXICITY OF AGGREGATES IMPLIES A COMMON MECHANISM FOR PROTEIN MISFOLDING DISEASES

**Authors:** [BUCCIANTINI M](#); [GIANNONI E](#); [CHITI F](#); [BARONI F](#); [FORMIGLI L](#); ZURDO JS; [TADDEI N](#); [RAMPONI G](#); [DOBSON CM](#); [STEFANI M](#)

**Source:** [NATURE](#) 416 (6880): 507-511 APR 4 2002

**Addresses:** [Univ Florence](#), Dipartimento Sci Biochim, Viale Morgagni 50, I-50134 Florence, [Italy](#).  
[Univ Florence](#), Dipartimento Sci Biochim, I-50134 Florence, [Italy](#).  
[Univ Florence](#), Dipartimento Anat Istol & Med Legale, I-50134 Florence, [Italy](#).  
[Univ Cambridge](#), Dept Chem, Cambridge CB2 1EW, [England](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

97 Citations: 825 

WEB OF SCIENCE

**Title:** TOLL-LIKE RECEPTOR-4 MEDIATES LIPOPOLYSACCHARIDE-INDUCED SIGNAL TRANSDUCTION

**Authors:** [CHOW JC](#); [YOUNG DW](#); [GOLENBOCK DT](#); CHRIST WJ; [GUSOVSKY F](#)

**Source:** [J BIOL CHEM](#) 274 (16): 10689-10692 APR 16 1999

**Addresses:** Eisai Res Inst, 100 Res Dr, Wilmington, MA 01887 USA.  
Eisai Res Inst, Div Inflammatory Dis, Andover, MA 01810 USA.  
Eisai Res Inst, Div Synthet Chem, Andover, MA 01810 USA.  
[Boston Univ](#), Boston Med Ctr, Sch Med, Maxwell Finland Lab Infect Dis, Boston, MA 02118 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

98 Citations: 821 

WEB OF SCIENCE

**Title:** MODULATION OF OSTEOCLAST DIFFERENTIATION AND FUNCTION BY THE NEW MEMBERS OF THE TUMOR NECROSIS FACTOR RECEPTOR AND LIGAND FAMILIES

**Authors:** [SUDA T](#); [TAKAHASHI N](#); [UDAGAWA N](#); [JIMI E](#); [GILLESPIE MT](#); [MARTIN TJ](#)

**Source:** [ENDOCRINE REV](#) 20 (3): 345-357 JUN 1999

**Addresses:** [Showa Univ](#), Sch Dent, Dept Biochem, Shinagawa Ku, 1-5-8 Hatanodai, Tokyo 1428555, [Japan](#).  
[Showa Univ](#), Sch Dent, Dept Biochem, Shinagawa Ku, Tokyo 1428555, [Japan](#).  
[Univ Melbourne](#), St Vincents Inst Med Res, Fitzroy, Vic 3065, [Australia](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

99 Citations: 818 

WEB OF SCIENCE

**Title:** TWO-COMPONENT SIGNAL TRANSDUCTION

**Authors:** [STOCK AM](#); [ROBINSON VL](#); [GOUDREAU PN](#)

**Source:** [ANNU REV BIOCHEM](#) 69: 183-215 2000

**Addresses:** [Univ Med & Dent New Jersey](#), Robert Wood Johnson Med Sch, Ctr Adv Biotechnol & Med, Piscataway, NJ 08854 USA.  
[Univ Med & Dent New Jersey](#), Robert Wood Johnson Med Sch, Howard Hughes Med Inst, Piscataway, NJ 08854 USA.

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

100 Citations: 811 

WEB OF SCIENCE

**Title:** KEGG: KYOTO ENCYCLOPEDIA OF GENES AND GENOMES

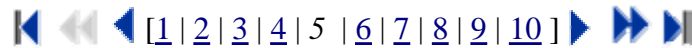
**Authors:** [KANEHISA M](#); [GOTO S](#)

**Source:** [NUCL ACID RES](#) 28 (1): 27-30 JAN 1 2000

**Addresses:** [Kyoto Univ](#), Inst Chem Res, Kyoto 6110011, [Japan](#).

**Field:** [BIOLOGY & BIOCHEMISTRY](#)

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