Werner Eg MÃ¼ller

List of Publications by Year
in descending order

207 papers	9,936 citations	30070 54 h-index	49909 87 g-index
207 all docs	207 docs citations	207 times ranked	8850 citing authors

#	Article	IF	Citations
1	3D bioprinting of tissue units with mesenchymal stem cells, retaining their proliferative and differentiating potential, in polyphosphate-containing bio-ink. Biofabrication, 2022, 14, 015016.	7.1	12
2	Polyketides from the marine-derived fungus Aspergillus falconensis: In silico and in vitro cytotoxicity studies. Bioorganic and Medicinal Chemistry, 2021, 29, 115883.	3.0	16
3	An unexpected biomaterial against SARS-CoV-2: Bio-polyphosphate blocks binding of the viral spike to the cell receptor. Materials Today, 2021, 51, 504-524.	14.2	8
4	Amplified morphogenetic and bone forming activity of amorphous versus crystalline calcium phosphate/polyphosphate. Acta Biomaterialia, 2020, 118, 233-247.	8.3	32
5	Biomimetic routes to micro/nanofabrication. , 2020, , 83-113.		1
6	Collagenâ€inducing biologization of prosthetic material for hernia repair: Polypropylene meshes coated with polyP/collagen. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2109-2121.	3.4	15
7	Induced secondary metabolites from the endophytic fungus Aspergillus versicolor through bacterial co-culture and OSMAC approaches. Tetrahedron Letters, 2018, 59, 2647-2652.	1.4	39
8	Electrospinning of Bioactive Wound-Healing Nets. Progress in Molecular and Subcellular Biology, 2017, 55, 259-290.	1.6	13
9	Bifunctional dentifrice: Amorphous polyphosphate a regeneratively active sealant with potent anti-Streptococcus mutans activity. Dental Materials, 2017, 33, 753-764.	3.5	17
10	Two-Armed Activation of Bone Mineral Deposition by the Flavones Baicalin and Baicalein, Encapsulated in Polyphosphate Microparticles. The American Journal of Chinese Medicine, 2017, 45, 533-555.	3.8	9
11	An evolutionary perspective on the role of mesencephalic astrocyte-derived neurotrophic factor (MANF): At the crossroads of poriferan innate immune and apoptotic pathways. Biochemistry and Biophysics Reports, 2017, 11, 161-173.	1.3	12
12	Fabrication of amorphous strontium polyphosphate microparticles that induce mineralization of bone cells in vitro and in vivo. Acta Biomaterialia, 2017, 50, 89-101.	8.3	37
13	3D printing of hybrid biomaterials for bone tissue engineering: Calcium-polyphosphate microparticles encapsulated by polycaprolactone. Acta Biomaterialia, 2017, 64, 377-388.	8.3	117
14	A Novel Biomimetic Approach to Repair Enamel Cracks/Carious Damages and to Reseal Dentinal Tubules by Amorphous Polyphosphate. Polymers, 2017, 9, 120.	4.5	13
15	Molecular Evolution of Defense Pathways in Sponges: Selfâ€“Self-recognition andÂFight against the Nonself. , 2016, , 407-416.		0
16	A biomimetic approach to ameliorate dental hypersensitivity by amorphous polyphosphate microparticles. Dental Materials, 2016, 32, 775-783.	3.5	14
17	Purification and partial characterization of a lectin protein complex, the clathrilectin, from the calcareous sponge Clathrina clathrus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 200, 17-27.	1.6	6
18	Amorphous polyphosphateâ€“hydroxyapatite: A morphogenetically active substrate for bone-related SaOS-2 cells in vitro. Acta Biomaterialia, 2016, 31, 358-367.	8.3	39

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19	The morphogenetically active polymer, inorganic polyphosphate complexed with GdCl 3 , as an inducer of hydroxyapatite formation in vitro. Biochemical Pharmacology, 2016, 102, 97-106.	4.4	18
20	A new polyphosphate calcium material with morphogenetic activity. Materials Letters, 2015, 148, 163-166.	2.6	88
21	Enzymatically Synthesized Biosilica. , 2015, , 1265-1277.		0
22	Retinol encapsulated into amorphous Ca2+ polyphosphate nanospheres acts synergistically in MC3T3-E1 cells. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 214-223.	4.3	41
23	Electrospun bioactive mats enriched with Ca-polyphosphate/retinol nanospheres as potential wound dressing. Biochemistry and Biophysics Reports, 2015, 3, 150-160.	1.3	19
24	Potential biological role of laccase from the sponge Suberites domuncula as an antibacterial defense component. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 118-128.	2.4	23
25	Enzyme-accelerated and structure-guided crystallization of calcium carbonate: Role of the carbonic anhydrase in the homologous system. Acta Biomaterialia, 2014, 10, 450-462.	8.3	21
26	Enzymatically Synthesized Inorganic Polymers as Morphogenetically Active Bone Scaffolds. International Review of Cell and Molecular Biology, 2014, 313, 27-77.	3.2	42
27	Characterization and osteogenic activity of a silicatein/biosilica-coated chitosan-graft-polycaprolactone. Acta Biomaterialia, 2014, 10, 4456-4464.	8.3	28
28	Engineering a morphogenetically active hydrogel for bioprinting of bioartificial tissue derived from human osteoblast-like SaOS-2 cells. Biomaterials, 2014, 35, 8810-8819.	11.4	160
29	Bioactive and biodegradable silica biomaterial for bone regeneration. Bone, 2014, 67, 292-304.	2.9	108
30	Biosilicaâ€loaded poly(Ïµâ€caprolactone) nanofibers mats provide a morphogenetically active surface scaffold for the growth and mineralization of the osteoclastâ€related SaOSâ€2 cells. Biotechnology Journal, 2014, 9, 1312-1321.	3.5	33
31	Isoquercitrin and polyphosphate co-enhance mineralization of human osteoblast-like SaOS-2 cells via separate activation of two RUNX2 cofactors AFT6 and Ets1. Biochemical Pharmacology, 2014, 89, 413-421.	4.4	33
32	Enzyme-based biosilica and biocalcite: biomaterials for the future in regenerative medicine. Trends in Biotechnology, 2014, 32, 441-447.	9.3	65
33	Biosilica aging: From enzyme-driven gelation via syneresis to chemical/biochemical hardening. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3437-3446.	2.4	7
34	Bacterial sensors based on biosilica immobilization for label-free OWLS detection. New Biotechnology, 2013, 30, 493-499.	4.4	11
35	The enzyme carbonic anhydrase as an integral component of biogenic Caâ€carbonate formation in sponge spicules. FEBS Open Bio, 2013, 3, 357-362.	2.3	29
36	Biosilica-based immobilization strategy for label-free OWLS sensors. Sensors and Actuators B: Chemical, 2013, 177, 1-7.	7.8	7

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37	Induction of carbonic anhydrase in SaOS-2 cells, exposed to bicarbonate and consequences for calcium phosphate crystal formation. Biomaterials, 2013, 34, 8671-8680.	11.4	60
38	Acquisition of Structure-guiding and Structure-forming Properties during Maturation from the Pro-silicatein to the Silicatein Form. Journal of Biological Chemistry, 2012, 287, 22196-22205.	3.4	33
39	Biosilica. Advances in Marine Biology, 2012, 62, 231-271.	1.4	27
40	Siliceous deep-sea sponge Monorhaphis chuni: A potential paleoclimate archive in ancient animals. Chemical Geology, 2012, 300-301, 143-151.	3.3	42
41	Bio-silica and bio-polyphosphate: applications in biomedicine (bone formation). Current Opinion in Biotechnology, 2012, 23, 570-578.	6.6	91
42	Farinomalein derivatives from an unidentified endophytic fungus isolated from the mangrove plant Avicennia marina. Tetrahedron Letters, 2012, 53, 6721-6724.	1.4	31
43	Enzymatic Synthesis and Surface Deposition of Tin Dioxide using Silicatein-Î±. Chemistry of Materials, 2011, 23, 5358-5365.	6.7	28
44	Hardening of bio-silica in sponge spicules involves an aging process after its enzymatic polycondensation: Evidence for an aquaporin-mediated water absorption. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 713-726.	2.4	27
45	Interaction of the retinoic acid signaling pathway with spicule formation in the marine sponge Suberites domuncula through activation of bone morphogenetic protein-1. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1178-1194.	2.4	27
46	Inorganic polymeric phosphate/polyphosphate as an inducer of alkaline phosphatase and a modulator of intracellular Ca2+ level in osteoblasts (SaOS-2 cells) in vitro. Acta Biomaterialia, 2011, 7, 2661-2671.	8.3	131
47	Arthrinins Aâ€“D: Novel diterpenoids and further constituents from the sponge derived fungus Arthrinium sp.. Bioorganic and Medicinal Chemistry, 2011, 19, 4644-4651.	3.0	53
48	Complex structures â€“ smart solutions: Formation of siliceous spicules. Communicative and Integrative Biology, 2011, 4, 684-688.	1.4	3
49	The role of biosilica in the osteoprotegerin/RANKL ratio in human osteoblast-like cells. Biomaterials, 2010, 31, 7716-7725.	11.4	138
50	Sponges (Porifera) as living metazoan witnesses from the Neoproterozoic: biomineralization and the concept of their evolutionary success. Terra Nova, 2010, 22, 1-11.	2.1	47
51	Iodocionin, a Cytotoxic Iodinated Metabolite from the Mediterranean Ascidian Ciona edwardsii. Marine Drugs, 2010, 8, 285-291.	4.6	29
52	Chapter 3 Giant Siliceous Spicules From the Deepâ€sea Glass Sponge Monorhaphis chuni. International Review of Cell and Molecular Biology, 2009, 273, 69-115.	3.2	47
53	The role of the silicatein-Î± interactor silintaphin-1 in biomimetic biomineralization. Biomaterials, 2009, 30, 1648-1656.	11.4	65
54	Cytosporones, coumarins, and an alkaloid from the endophytic fungus Pestalotiopsis sp. isolated from the Chinese mangrove plant Rhizophora mucronata. Bioorganic and Medicinal Chemistry, 2009, 17, 7362-7367.	3.0	103

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55	Effect of Bacterial Infection on Stem Cell Pattern in Porifera. , 2009, , 309-336.		2
56	Bioactive metabolites from the endophytic fungus Ampelomyces sp. isolated from the medicinal plant Urospermum picroides. Phytochemistry, 2008, 69, 1716-1725.	2.9	150
57	Regional and modular expression of morphogenetic factors in the demosponge Lubomirskia baicalensis. Micron, 2008, 39, 447-460.	2.2	11
58	Marine molecular biology: An emerging field of biological sciences. Biotechnology Advances, 2008, 26, 233-245.	11.7	31
59	Bioorganic/inorganic hybrid composition of sponge spicules: Matrix of the giant spicules and of the comitalia of the deep sea hexactinellid Monorhaphis. Journal of Structural Biology, 2008, 161, 188-203.	2.8	78
60	Axial growth of hexactinellid spicules: Formation of cone-like structural units in the giant basal spicules of the hexactinellid Monorhaphis. Journal of Structural Biology, 2008, 164, 270-280.	2.8	29
61	The 2â€²-5â€²-oligoadenylate synthetase in the lowest metazoa: isolation, cloning, expression and functional activity in the sponge Lubomirskia baicalensis. Molecular Immunology, 2008, 45, 945-953.	2.2	32
62	Effect of hypoosmotic stress by low salinity acclimation of Mediterranean mussels Mytilus galloprovincialis on biological parameters used for pollution assessment. Aquatic Toxicology, 2008, 89, 137-151.	4.0	87
63	Mitochondrial genome of Suberites domuncula: Palindromes and inverted repeats are abundant in non-coding regions. Gene, 2008, 412, 1-11.	2.2	26
64	Sponge-associated fungi and their bioactive compounds: the Suberites case. Botanica Marina, 2008, 51, 209-218.	1.2	71
65	Modelling genetic regulation of growth and form in a branching sponge. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2569-2575.	2.6	13
66	Silicateins, the major biosilica forming enzymes present in demosponges: Protein analysis and phylogenetic relationship. Gene, 2007, 395, 62-71.	2.2	74
67	Apposition of silica lamellae during growth of spicules in the demosponge Suberites domuncula: Biological/biochemical studies and chemical/biomimetical confirmation. Journal of Structural Biology, 2007, 159, 325-334.	2.8	70
68	Analysis of the axial filament in spicules of the demosponge Geodia cydonium: Different silicatein composition in microscleres (asters) and megascleres (oxeas and triaenes). European Journal of Cell Biology, 2007, 86, 473-487.	3.6	49
69	The complete set of ribosomal proteins from the marine sponge Suberites domuncula. Gene, 2006, 366, 275-284.	2.2	39
70	Axial (Apical-Basal) Expression of Pro-apoptotic and Pro-survival Genes in the Lake Baikal Demosponge Lubomirskia baicalensis. DNA and Cell Biology, 2006, 25, 152-164.	1.9	14
71	Magnetic resonance imaging of the siliceous skeleton of the demosponge Lubomirskia baicalensis. Journal of Structural Biology, 2006, 153, 31-41.	2.8	30
72	The stem cell concept in sponges (Porifera): Metazoan traits. Seminars in Cell and Developmental Biology, 2006, 17, 481-491.	5.0	73

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73	Siliceous spicules in marine demosponges (example Suberites domuncula). Micron, 2006, 37, 107-120.	2.2	115
74	Novel photoreception system in sponges?. Biosensors and Bioelectronics, 2006, 21, 1149-1155.	10.1	74
75	Novel mechanism for the radiation-induced bystander effect: Nitric oxide and ethylene determine the response in sponge cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 597, 62-72.	1.0	19
76	Histochemical and Electron Microscopic Analysis of Spiculogenesis in the Demosponge Suberites domuncula. Journal of Histochemistry and Cytochemistry, 2006, 54, 1031-1040.	2.5	48
77	Co-expression and Functional Interaction of Silicatein with Galectin. Journal of Biological Chemistry, 2006, 281, 12001-12009.	3.4	125
78	The first sorbicillinoid alkaloids, the antileukemic sorbicillactones A and B, from a sponge-derived Penicillium chrysogenum strain. Tetrahedron, 2005, 61, 7252-7265.	1.9	134
79	Innate Immune Defense of the Sponge Suberites domuncula against Bacteria Involves a MyD88-dependent Signaling Pathway. Journal of Biological Chemistry, 2005, 280, 27949-27959.	3.4	164
80	Biosilica formation in spicules of the sponge Suberites domuncula: Synchronous expression of a gene cluster. Genomics, 2005, 85, 666-678.	2.9	35
81	Expression pattern of the Brachyury and Tbx2 homologues from the sponge Suberites domuncula. Biology of the Cell, 2005, 97, 641-650.	2.0	19
82	Porifera a reference phylum for evolution and bioprospecting: the power of marine genomics. Keio Journal of Medicine, 2004, 53, 159-165.	1.1	15
83	Molecular Cloning of Silicatein Gene from Marine Sponge Petrosia ficiformis (Porifera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Biotechnology, 2004, 6, 594-603.	2.4	47
84	Using the miraEST Assembler for Reliable and Automated mRNA Transcript Assembly and SNP Detection in Sequenced ESTs. Genome Research, 2004, 14, 1147-1159.	5.5	996
85	Isolation and characterization of five Fox (Forkhead) genes from the sponge Suberites domuncula. Gene, 2004, 334, 35-46.	2.2	50
86	Bauplan of Urmetazoa: Basis for Genetic Complexity of Metazoa. International Review of Cytology, 2004, 235, 53-92.	6.2	120
87	Caspase-mediated apoptosis in sponges: cloning and function of the phylogenetic oldest apoptotic proteases from Metazoa. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1593, 179-189.	4.1	64
88	Biochemistry and cell biology of silica formation in sponges. Microscopy Research and Technique, 2003, 62, 368-377.	2.2	52
89	Origin of metazoan stem cell system in sponges: first approach to establish the model (Suberites) Tj ETQq1 1 0.784314 rgBT /Overloc	2.7	28
90	Molecular and functional analysis of the (6-4) photolyase from the hexactinellid Aphrocallistes vastus. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1651, 41-49.	2.3	24

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91	Cultivation of primmorphs from the marine sponge Suberites domuncula: morphogenetic potential of silicon and iron. Journal of Biotechnology, 2003, 100, 93-108.	3.8	91
92	Polarity factor â€˜Frizzledâ€™ in the demospongeSuberites domuncula: identification, expression and localization of the receptor in the epithelium/pinacoderm1. FEBS Letters, 2003, 554, 363-368.	2.8	86
93	Emergence and Disappearance of an Immune Molecule, an Antimicrobial Lectin, in Basal Metazoa. Journal of Biological Chemistry, 2003, 278, 32810-32817.	3.4	89
94	Silicase, an Enzyme Which Degrades Biogenous Amorphous Silica: Contribution to the Metabolism of Silica Deposition in the Demosponge Suberites domuncula. Progress in Molecular and Subcellular Biology, 2003, 33, 249-268.	1.6	64
95	Iron Induces Proliferation and Morphogenesis in Primmorphs from the Marine SpongeSuberites domuncula. DNA and Cell Biology, 2002, 21, 67-80.	1.9	82
96	Marine sponge collagen: isolation, characterization and effects on the skin parameters surface-pH, moisture and sebum. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 53, 107-113.	4.3	213
97	Microparticles derived from marine sponge collagen (SCMPs): preparation, characterization and suitability for dermal delivery of all-trans retinol. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 54, 125-133.	4.3	87
98	Synthesis of the Neurotoxin Quinolinic Acid in Apoptotic Tissue from Suberites domuncula: Cell Biological, Molecular Biological, and Chemical Analyses. Marine Biotechnology, 2002, 4, 546-558.	2.4	18
99	Contribution of sponge genes to unravel the genome of the hypothetical ancestor of Metazoa (Urmetazoa). Gene, 2001, 276, 161-173.	2.2	60
100	Molecular Evolution of the Metazoan Extracellular Matrix: Cloning and Expression of Structural Proteins from the Demosponges Suberites domuncula and Geodia cydonium. Journal of Molecular Evolution, 2001, 53, 402-415.	1.8	43
101	Modulation of intracellular calcium and proliferative activity of invertebrate and vertebrate cells by ethylene. BMC Cell Biology, 2001, 2, 7.	3.0	16
102	Review: How was metazoan threshold crossed? The hypothetical Urmetazoa. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 129, 433-460.	1.8	135
103	Stress Response in Marine Sponges: Genes and Molecules Involved and Their use as Biomarkers. Cell and Molecular Response To Stress, 2000, 1, 193-208.	0.4	8
104	Sponge proteins are more similar to those of Homo sapiens than to Caenorhabditis elegans. Biological Journal of the Linnean Society, 2000, 71, 821-828.	1.6	39
105	Novel approaches in diagnosis and therapy of Creutzfeldtâ€“Jakob disease. Mechanisms of Ageing and Development, 2000, 116, 193-218.	4.6	41
106	Sponge homologue to human and yeast gene encoding the longevity assurance polypeptide: differential expression in telomerase-positive and telomerase-negative cells of Suberites domuncula. Mechanisms of Ageing and Development, 2000, 118, 115-127.	4.6	4
107	The mitogen-activated protein kinase p38 pathway is conserved in metazoans: Cloning and activation of p38 of the SAPK2 subfamily from the sponge Suberites domuncula*. Biology of the Cell, 2000, 92, 95-104.	2.0	32
108	Molecular Evolution of Apoptotic Pathways: Cloning of Key Domains from Sponges (Bcl-2 Homology) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2000, 50, 520-531.	1.8	70

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109	Cloning and expression of the sponge longevity gene SDLAGL. Mechanisms of Development, 2000, 95, 219-220.	1.7	13
110	Ethylene Modulates Gene Expression in Cells of the Marine SpongeSuberites domuncula and Reduces the Degree of Apoptosis. Journal of Biological Chemistry, 1999, 274, 31524-31530.	3.4	37
111	Increased Gene Expression of a Cytokine-Related Molecule and Profilin after Activation of Suberites domuncula Cells with Xenogeneic Sponge Molecule(s). DNA and Cell Biology, 1999, 18, 885-893.	1.9	39
112	Initiation of an Aquaculture of Sponges for the Sustainable Production of Bioactive Metabolites in Open Systems: Example, Geodia cydonium. Marine Biotechnology, 1999, 1, 569-579.	2.4	53
113	Promoter and exonâ€“intron structure of the protein kinase C gene from the marine sponge Geodia cydonium: evolutionary considerations and promoter activity. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1444, 241-253.	2.4	15
114	A Microplate Assay for DNA Damage Determination (Fast Micromethod)in Cell Suspensions and Solid Tissues. Analytical Biochemistry, 1999, 270, 195-200.	2.4	57
115	Towards an understanding of the molecular basis of immune responses in sponges: The marine demospongeGeodia cydonium as a model. , 1999, 44, 219-236.		29
116	Increased Expression of Integrin and Receptor Tyrosine Kinase Genes During Autograft Fusion in the SpongeGeodia cydonium. Cell Adhesion and Communication, 1999, 7, 111-124.	1.7	33
117	Suppression of PrPSc- and HIV-1 gp120 induced neuronal cell death by sulfated colominic acid. Journal of NeuroVirology, 1999, 5, 289-299.	2.1	10
118	Origin of the interferon-inducible (2â€²-5â€²)oligoadenylate synthetases: cloning of the (2â€²-5â€²)oligoadenylate synthetase from the marine spongeGeodia cydonium1. FEBS Letters, 1999, 462, 12-18.	2.8	49
119	Identification and Expression of the SOS Response, aidB-Like, Gene in the Marine Sponge Geodia cydonium: Implication for the Phylogenetic Relationships of Metazoan Acyl-CoA Dehydrogenases and Acyl-CoA Oxidases. Journal of Molecular Evolution, 1998, 47, 343-352.	1.8	14
120	Effect of flupirtine on cell death of human umbilical vein endothelial cells induced by reactive oxygen species. Biochemical Pharmacology, 1998, 56, 1615-1624.	4.4	18
121	Sponges (Porifera) model systems to study the shift from immortal to senescent somatic cells: the telomerase activity in somatic cells. Mechanisms of Ageing and Development, 1998, 100, 107-120.	4.6	107
122	Pharmacological intervention in age-associated brain disorders by Flupirtine: Alzheimerâ€™s and Prion diseases. Mechanisms of Ageing and Development, 1998, 101, 1-19.	4.6	26
123	Primmorphs generated from dissociated cells of the sponge Suberites domuncula: a model system for studies of cell proliferation and cell death. Mechanisms of Ageing and Development, 1998, 105, 45-59.	4.6	172
124	Phylogenetic Position of the Hexactinellida Within the Phylum Porifera Based on the Amino Acid Sequence of the Protein Kinase C from Rhabdocalyptus dawsoni. Journal of Molecular Evolution, 1998, 46, 721-728.	1.8	108
125	Sarcophytolide: a new neuroprotective compound from the soft coral Sarcophyton glaucum. Toxicology, 1998, 131, 133-143.	4.2	54
126	Evolutionary analysis of G-proteins in early metazoans: Cloning of Î±- and Î²-subunits from the sponge Geodia cydonium1The sequences reported here have been submitted to the EMBL/GenBank data base; Geodia cydonium G-proteins; Î±-subunit GÎ±s [accession no. Y14249], GÎ±i/o [Y14247] and GÎ±q [Y14248] as well as the Î²-subunit [Y14250].1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1401, 93-103.	4.1	18

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127	Phenylalanine hydroxylase from the sponge Geodia cydonium: implication for allorecognition and evolution of aromatic amino acid HYDROXYLASESfn1fn1Thesequence reported here is deposited in the EMBLGenBank data base (Accession no. Y16353).. Developmental and Comparative Immunology, 1998, 22, 469-478.	2.3	26
128	Neuroactive compounds produced by bacteria from the marine sponge Halichondria panicea: activation of the neuronal NMDA receptor. Environmental Toxicology and Pharmacology, 1998, 6, 125-133.	4.0	23
129	Expression of the human XPB/ERCC-3 excision repair gene-homolog in the sponge Geodia cydonium after exposure to ultraviolet radiation. Mutation Research DNA Repair, 1998, 409, 123-133.	3.7	21
130	Effect of Flupirtine on Bcl-2 and Glutathione Level in Neuronal Cells Treatedin Vitrowith the Prion Protein Fragment (PrP106-126). Experimental Neurology, 1997, 147, 518-524.	4.1	78
131	Changes in metabolism of inorganic polyphosphate in rat tissues and human cells during development and apoptosis. Biochimica Et Biophysica Acta - General Subjects, 1997, 1335, 51-60.	2.4	66
132	A novel member of an ancient superfamily: sponge (Geodia cydonium, Porifera) putative protein that features scavenger receptor cysteine-rich repeats. Gene, 1997, 193, 211-218.	2.2	57
133	Galectins in the Phylogenetically Oldest Metazoa, the Sponges (Porifera).. Trends in Glycoscience and Glycotechnology, 1997, 9, 123-130.	0.1	30
134	High conservation of the serum response factor within Metazoa: cDNA from the sponge Geodia cydonium. Biological Journal of the Linnean Society, 1997, 61, 127-137.	1.6	2
135	Cloning of Sponge (Geodia cydonium) and Tunicate (Botryllus schlosseri) Proteasome Subunit Epsilon (PRCE): Implications about the Vertebrate MHC-Encoded Homologue LMP7 (PRCC). Biochemical and Biophysical Research Communications, 1996, 228, 406-410.	2.1	11
136	Flupirtine increases the levels of glutathione and Bcl-2 in hNT (human) neurons: mode of action of the drug-mediated anti-apoptotic effect. European Journal of Pharmacology, 1996, 317, 157-164.	3.5	33
137	Regulation of motility of cells from marine sponges by calcium ions. Cellular Signalling, 1996, 8, 517-524.	3.6	25
138	A galectin links the aggregation factor to cells in the sponge (Geodia cydonium) system. Glycobiology, 1996, 6, 785-793.	2.5	60
139	Polymorphism in the Immunoglobulin-like Domains of the Receptor Tyrosine Kinase from the SpongeGeodia Cydonium. Cell Adhesion and Communication, 1996, 4, 327-339.	1.7	47
140	Molecular Evolution of the Metazoan Protein Kinase C Multigene Family. Journal of Molecular Evolution, 1996, 43, 374-383.	1.8	3
141	Exposure to gp120 of HIV-1 Induces an Increased Release of Arachidonic Acid in Rat Primary Neuronal Cell Culture Followed by NMDA Receptor-mediated Neurotoxicity. European Journal of Neuroscience, 1995, 7, 1353-1359.	2.6	56
142	Rev protein suppression of complex formation between nuclear proteins and rev-responsive element-containing RNA of human immunodeficiency virus-1. International Journal of Biochemistry and Cell Biology, 1995, 27, 1317-1329.	2.8	1
143	Purification and characterization of two exopolyphosphatases from the marine sponge Tethya lyncurium. Biochimica Et Biophysica Acta - General Subjects, 1995, 1245, 17-28.	2.4	32
144	Flupirtine Partially Prevents Neuronal Injury Induced by Prion Protein Fragment and Lead Acetate. Experimental Neurology, 1995, 4, 369-374.	1.7	40

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145	Retinoic acid acts as a morphogen in freshwater sponges. Invertebrate Reproduction and Development, 1994, 26, 89-98.	0.8	36
146	The Ig superfamily includes members from the lowest invertebrates to the highest vertebrates. Trends in Immunology, 1994, 15, 497-498.	7.5	54
147	The triaminopyridine flupirtine prevents cell death in rat cortical cells induced by N-methyl-d-aspartate and gp120 of HIV-1. European Journal of Pharmacology, 1994, 288, 27-33.	2.6	55
148	Molecular evidence for the presence of a developmental gene in the lowest animals: identification of a homeobox-like gene in the marine sponge Geodia cydonium. Mechanisms of Ageing and Development, 1994, 77, 43-54.	4.6	29
149	Cytoprotective effect of NMDA receptor antagonists on prion protein (PrionSc)-induced toxicity in rat cortical cell cultures. European Journal of Pharmacology, 1993, 246, 261-267.	2.6	158
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