

# Werner Eg MÃ¼ller

## List of Publications by Year in descending order

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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	Using the miraEST Assembler for Reliable and Automated mRNA Transcript Assembly and SNP Detection in Sequenced ESTs. <i>Genome Research</i> , 2004, 14, 1147-1159.	5.5	996
2	Marine sponge collagen: isolation, characterization and effects on the skin parameters surface-pH, moisture and sebum. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 53, 107-113.	4.3	213
3	S-type lectins occur also in invertebrates: High conservation of the carbohydrate recognition domain in the lectin genes from the marine sponge <i>Geodia cydonium</i> . <i>Glycobiology</i> , 1993, 3, 179-184.	2.5	184
4	gp120 of HIV-1 induces apoptosis in rat cortical cell cultures: prevention by memantine. <i>European Journal of Pharmacology</i> , 1992, 226, 209-214.	2.6	174
5	Primmorphs generated from dissociated cells of the sponge <i>Suberites domuncula</i> : a model system for studies of cell proliferation and cell death. <i>Mechanisms of Ageing and Development</i> , 1998, 105, 45-59.	4.6	172
6	Innate Immune Defense of the Sponge <i>Suberites domuncula</i> against Bacteria Involves a MyD88-dependent Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 27949-27959.	3.4	164
7	Engineering a morphogenetically active hydrogel for bioprinting of bioartificial tissue derived from human osteoblast-like SaOS-2 cells. <i>Biomaterials</i> , 2014, 35, 8810-8819.	11.4	160
8	Cytoprotective effect of NMDA receptor antagonists on prion protein (PrionSc)-induced toxicity in rat cortical cell cultures. <i>European Journal of Pharmacology</i> , 1993, 246, 261-267.	2.6	158
9	Bioactive metabolites from the endophytic fungus <i>Ampelomyces</i> sp. isolated from the medicinal plant <i>Urospermum picroides</i> . <i>Phytochemistry</i> , 2008, 69, 1716-1725.	2.9	150
10	The role of biosilica in the osteoprotegerin/RANKL ratio in human osteoblast-like cells. <i>Biomaterials</i> , 2010, 31, 7716-7725.	11.4	138
11	Review: How was metazoan threshold crossed? The hypothetical Urmetazoa. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2001, 129, 433-460.	1.8	135
12	The first sorbicillinoid alkaloids, the antileukemic sorbicillactones A and B, from a sponge-derived <i>Penicillium chrysogenum</i> strain. <i>Tetrahedron</i> , 2005, 61, 7252-7265.	1.9	134
13	Inorganic polymeric phosphate/polyphosphate as an inducer of alkaline phosphatase and a modulator of intracellular Ca <sup>2+</sup> level in osteoblasts (SaOS-2 cells) in vitro. <i>Acta Biomaterialia</i> , 2011, 7, 2661-2671.	8.3	131
14	Co-expression and Functional Interaction of Silicatein with Galectin. <i>Journal of Biological Chemistry</i> , 2006, 281, 12001-12009.	3.4	125
15	Bauplan of Urmetazoa: Basis for Genetic Complexity of Metazoa. <i>International Review of Cytology</i> , 2004, 235, 53-92.	6.2	120
16	3D printing of hybrid biomaterials for bone tissue engineering: Calcium-polyphosphate microparticles encapsulated by polycaprolactone. <i>Acta Biomaterialia</i> , 2017, 64, 377-388.	8.3	117
17	Characterization of the autoantigen La as a nucleic acid-dependent ATPase/dATPase with melting properties. <i>Cell</i> , 1990, 60, 85-93.	28.9	116
18	Siliceous spicules in marine demosponges (example <i>Suberites domuncula</i> ). <i>Micron</i> , 2006, 37, 107-120.	2.2	115

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19	Phylogenetic Position of the Hexactinellida Within the Phylum Porifera Based on the Amino Acid Sequence of the Protein Kinase C from <i>Rhabdocalyptus dawsoni</i> . <i>Journal of Molecular Evolution</i> , 1998, 46, 721-728.	1.8	108
20	Bioactive and biodegradable silica biomaterial for bone regeneration. <i>Bone</i> , 2014, 67, 292-304.	2.9	108
21	Sponges (Porifera) model systems to study the shift from immortal to senescent somatic cells: the telomerase activity in somatic cells. <i>Mechanisms of Ageing and Development</i> , 1998, 100, 107-120.	4.6	107
22	Cytosporones, coumarins, and an alkaloid from the endophytic fungus <i>Pestalotiopsis</i> sp. isolated from the Chinese mangrove plant <i>Rhizophora mucronata</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7362-7367.	3.0	103
23	Cell Membranes in Sponges. <i>International Review of Cytology</i> , 1982, 77, 129-181.	6.2	102
24	Cultivation of primmorphs from the marine sponge <i>Suberites domuncula</i> : morphogenetic potential of silicon and iron. <i>Journal of Biotechnology</i> , 2003, 100, 93-108.	3.8	91
25	Bio-silica and bio-polyphosphate: applications in biomedicine (bone formation). <i>Current Opinion in Biotechnology</i> , 2012, 23, 570-578.	6.6	91
26	Transport of mRNA from Nucleus to Cytoplasm. <i>Progress in Molecular Biology and Translational Science</i> , 1987, 34, 89-142.	1.9	89
27	Emergence and Disappearance of an Immune Molecule, an Antimicrobial Lectin, in Basal Metazoa. <i>Journal of Biological Chemistry</i> , 2003, 278, 32810-32817.	3.4	89
28	A new polyphosphate calcium material with morphogenetic activity. <i>Materials Letters</i> , 2015, 148, 163-166.	2.6	88
29	Microparticles derived from marine sponge collagen (SCMPs): preparation, characterization and suitability for dermal delivery of all-trans retinol. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 125-133.	4.3	87
30	Effect of hypoosmotic stress by low salinity acclimation of Mediterranean mussels <i>Mytilus galloprovincialis</i> on biological parameters used for pollution assessment. <i>Aquatic Toxicology</i> , 2008, 89, 137-151.	4.0	87
31	Polarity factor "Frizzled"™ in the demosponge <i>Suberites domuncula</i> : identification, expression and localization of the receptor in the epithelium/pinacoderm1. <i>FEBS Letters</i> , 2003, 554, 363-368.	2.8	86
32	Bleomycin, an Antibiotic That Removes Thymine from Double-Stranded DNA. <i>Progress in Molecular Biology and Translational Science</i> , 1977, 20, 21-57.	1.9	84
33	Iron Induces Proliferation and Morphogenesis in Primmorphs from the Marine Sponge <i>Suberites domuncula</i> . <i>DNA and Cell Biology</i> , 2002, 21, 67-80.	1.9	82
34	Effect of Flupirtine on Bcl-2 and Glutathione Level in Neuronal Cells Treated in Vitro with the Prion Protein Fragment (PrP106-126). <i>Experimental Neurology</i> , 1997, 147, 518-524.	4.1	78
35	Bioorganic/inorganic hybrid composition of sponge spicules: Matrix of the giant spicules and of the comitalia of the deep sea hexactinellid <i>Monorhaphis</i> . <i>Journal of Structural Biology</i> , 2008, 161, 188-203.	2.8	78
36	Novel photoreception system in sponges?. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1149-1155.	10.1	74

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37	Silicateins, the major biosilica forming enzymes present in demosponges: Protein analysis and phylogenetic relationship. <i>Gene</i> , 2007, 395, 62-71.	2.2	74
38	The stem cell concept in sponges (Porifera): Metazoan traits. <i>Seminars in Cell and Developmental Biology</i> , 2006, 17, 481-491.	5.0	73
39	Sponge-associated fungi and their bioactive compounds: the <i>Suberites</i> case. <i>Botanica Marina</i> , 2008, 51, 209-218.	1.2	71
40	Molecular Evolution of Apoptotic Pathways: Cloning of Key Domains from Sponges (Bcl-2 Homology) <i>Trends in Biochemical Sciences</i> , 2000, 25, 520-531.	1.8	70
41	Apposition of silica lamellae during growth of spicules in the demosponge <i>Suberites domuncula</i> : Biological/biochemical studies and chemical/biomimetic confirmation. <i>Journal of Structural Biology</i> , 2007, 159, 325-334.	2.8	70
42	Changes in metabolism of inorganic polyphosphate in rat tissues and human cells during development and apoptosis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1335, 51-60.	2.4	66
43	Shuttling of the autoantigen La between nucleus and cell surface after uv irradiation of human keratinocytes. <i>Experimental Cell Research</i> , 1990, 191, 171-180.	2.6	65
44	The role of the silicatein-1 interactor silintaphin-1 in biomimetic biomineralization. <i>Biomaterials</i> , 2009, 30, 1648-1656.	11.4	65
45	Enzyme-based biosilica and biocalcite: biomaterials for the future in regenerative medicine. <i>Trends in Biotechnology</i> , 2014, 32, 441-447.	9.3	65
46	Caspase-mediated apoptosis in sponges: cloning and function of the phylogenetic oldest apoptotic proteases from Metazoa. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1593, 179-189.	4.1	64
47	Silicase, an Enzyme Which Degrades Biogenous Amorphous Silica: Contribution to the Metabolism of Silica Deposition in the Demosponge <i>Suberites domuncula</i> . <i>Progress in Molecular and Subcellular Biology</i> , 2003, 33, 249-268.	1.6	64
48	A galectin links the aggregation factor to cells in the sponge ( <i>Geodia cydonium</i> ) system. <i>Glycobiology</i> , 1996, 6, 785-793.	2.5	60
49	Contribution of sponge genes to unravel the genome of the hypothetical ancestor of Metazoa (Urmetazoa). <i>Gene</i> , 2001, 276, 161-173.	2.2	60
50	Induction of carbonic anhydrase in SaOS-2 cells, exposed to bicarbonate and consequences for calcium phosphate crystal formation. <i>Biomaterials</i> , 2013, 34, 8671-8680.	11.4	60
51	Identification of La ribonucleoproteins as a component of interchromatin granules. <i>Experimental Cell Research</i> , 1989, 185, 73-85.	2.6	57
52	A novel member of an ancient superfamily: sponge ( <i>Geodia cydonium</i> , Porifera) putative protein that features scavenger receptor cysteine-rich repeats. <i>Gene</i> , 1997, 193, 211-218.	2.2	57
53	A Microplate Assay for DNA Damage Determination (Fast Micromethod) in Cell Suspensions and Solid Tissues. <i>Analytical Biochemistry</i> , 1999, 270, 195-200.	2.4	57
54	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. <i>European Journal of Neuroscience</i> , 1995, 7, 1353-1359.	2.6	56

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55	The triaminopyridine flupirtine prevents cell death in rat cortical cells induced by N-methyl-d-aspartate and gp120 of HIV-1. <i>European Journal of Pharmacology</i> , 1994, 288, 27-33.	2.6	55
56	The Ig superfamily includes members from the lowest invertebrates to the highest vertebrates. <i>Trends in Immunology</i> , 1994, 15, 497-498.	7.5	54
57	Sarcophytolide: a new neuroprotective compound from the soft coral <i>Sarcophyton glaucum</i> . <i>Toxicology</i> , 1998, 131, 133-143.	4.2	54
58	Initiation of an Aquaculture of Sponges for the Sustainable Production of Bioactive Metabolites in Open Systems: Example, <i>Geodia cydonium</i> . <i>Marine Biotechnology</i> , 1999, 1, 569-579.	2.4	53
59	Arthrins Aâ€D: Novel diterpenoids and further constituents from the sponge derived fungus <i>Arthrinium</i> sp.. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4644-4651.	3.0	53
60	Biochemistry and cell biology of silica formation in sponges. <i>Microscopy Research and Technique</i> , 2003, 62, 368-377.	2.2	52
61	Isolation and characterization of five Fox (Forkhead) genes from the sponge <i>Suberites domuncula</i> . <i>Gene</i> , 2004, 334, 35-46.	2.2	50
62	Origin of the interferon-inducible (2â€ <sup>2</sup> -5â€ <sup>2</sup> )oligoadenylate synthetases: cloning of the (2â€ <sup>2</sup> -5â€ <sup>2</sup> )oligoadenylate synthetase from the marine sponge <i>Geodia cydonium</i> 1. <i>FEBS Letters</i> , 1999, 462, 12-18.	2.8	49
63	Analysis of the axial filament in spicules of the demosponge <i>Geodia cydonium</i> : Different silicatein composition in microscleres (asters) and megascleres (oxeas and triaenes). <i>European Journal of Cell Biology</i> , 2007, 86, 473-487.	3.6	49
64	Histochemical and Electron Microscopic Analysis of Spiculogenesis in the Demosponge <i>Suberites domuncula</i> . <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1031-1040.	2.5	48
65	Polymorphism in the Immunoglobulin-like Domains of the Receptor Tyrosine Kinase from the Sponge <i>Geodia Cydonium</i> . <i>Cell Adhesion and Communication</i> , 1996, 4, 327-339.	1.7	47
66	Molecular Cloning of Silicatein Gene from Marine Sponge <i>Petrosia ficiformis</i> (Porifera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (De Biotechnology, 2004, 6, 594-603.	2.4	47
67	Chapter 3 Giant Siliceous Spicules From the Deepâ€sea Glass Sponge <i>Monorhaphis chuni</i> . <i>International Review of Cell and Molecular Biology</i> , 2009, 273, 69-115.	3.2	47
68	Sponges (Porifera) as living metazoan witnesses from the Neoproterozoic: biomineralization and the concept of their evolutionary success. <i>Terra Nova</i> , 2010, 22, 1-11.	2.1	47
69	Sponge aggregation factor and sponge hemagglutinin: Possible relationships between two different molecules. <i>Developmental and Comparative Immunology</i> , 1979, 3, 399-416.	2.3	44
70	Molecular Evolution of the Metazoan Extracellular Matrix: Cloning and Expression of Structural Proteins from the Demosponges <i>Suberites domuncula</i> and <i>Geodia cydonium</i> . <i>Journal of Molecular Evolution</i> , 2001, 53, 402-415.	1.8	43
71	Siliceous deep-sea sponge <i>Monorhaphis chuni</i> : A potential paleoclimate archive in ancient animals. <i>Chemical Geology</i> , 2012, 300-301, 143-151.	3.3	42
72	Enzymatically Synthesized Inorganic Polymers as Morphogenetically Active Bone Scaffolds. <i>International Review of Cell and Molecular Biology</i> , 2014, 313, 27-77.	3.2	42

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73	Role of phospholipase A2 in the stimulation of sponge cell proliferation by homologous lectin. <i>Cell</i> , 1989, 59, 939-948.	28.9	41
74	Novel approaches in diagnosis and therapy of Creutzfeldt-Jakob disease. <i>Mechanisms of Ageing and Development</i> , 2000, 116, 193-218.	4.6	41
75	Retinol encapsulated into amorphous Ca <sup>2+</sup> polyphosphate nanospheres acts synergistically in MC3T3-E1 cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 214-223.	4.3	41
76	Flupirtine Partially Prevents Neuronal Injury Induced by Prion Protein Fragment and Lead Acetate. <i>Experimental Neurology</i> , 1995, 4, 369-374.	1.7	40
77	Increased Gene Expression of a Cytokine-Related Molecule and Profilin after Activation of Suberites domuncula Cells with Xenogeneic Sponge Molecule(s). <i>DNA and Cell Biology</i> , 1999, 18, 885-893.	1.9	39
78	Sponge proteins are more similar to those of Homo sapiens than to Caenorhabditis elegans. <i>Biological Journal of the Linnean Society</i> , 2000, 71, 821-828.	1.6	39
79	The complete set of ribosomal proteins from the marine sponge Suberites domuncula. <i>Gene</i> , 2006, 366, 275-284.	2.2	39
80	Amorphous polyphosphate-hydroxyapatite: A morphogenetically active substrate for bone-related SaOS-2 cells in vitro. <i>Acta Biomaterialia</i> , 2016, 31, 358-367.	8.3	39
81	Induced secondary metabolites from the endophytic fungus Aspergillus versicolor through bacterial co-culture and OSMAC approaches. <i>Tetrahedron Letters</i> , 2018, 59, 2647-2652.	1.4	39
82	Action of 1-β-D-Arabinofuranosylcytosine on mammalian tumor cells <sup>2</sup> . <i>European Journal of Cancer</i> , 1972, 8, 421-428.	0.9	38
83	Production of the cytostatic agent aerophysinin by the sponge Verongia aerophoba in in vitro culture. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1992, 101, 183-187.	0.2	38
84	Ethylene Modulates Gene Expression in Cells of the Marine Sponge Suberites domuncula and Reduces the Degree of Apoptosis. <i>Journal of Biological Chemistry</i> , 1999, 274, 31524-31530.	3.4	37
85	Fabrication of amorphous strontium polyphosphate microparticles that induce mineralization of bone cells in vitro and in vivo. <i>Acta Biomaterialia</i> , 2017, 50, 89-101.	8.3	37
86	Retinoic acid acts as a morphogen in freshwater sponges. <i>Invertebrate Reproduction and Development</i> , 1994, 26, 89-98.	0.8	36
87	Immunological and biological identification of tumour necrosis-like factor in sponges: Endotoxin that mediates necrosis formation in xenografts. <i>Cytokine</i> , 1992, 4, 161-169.	3.2	35
88	Biosilica formation in spicules of the sponge Suberites domuncula: Synchronous expression of a gene cluster. <i>Genomics</i> , 2005, 85, 666-678.	2.9	35
89	Association of AUUUA-binding Protein with A + U-rich mRNA during nucleo-cytoplasmic transport. <i>Journal of Molecular Biology</i> , 1992, 226, 721-733.	4.2	33
90	Flupirtine increases the levels of glutathione and Bcl-2 in hNT (human ) neurons: mode of action of the drug-mediated anti-apoptotic effect. <i>European Journal of Pharmacology</i> , 1996, 317, 157-164.	3.5	33

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91	Increased Expression of Integrin and Receptor Tyrosine Kinase Genes During Autograft Fusion in the Sponge <i>Geodia cydonium</i> . <i>Cell Adhesion and Communication</i> , 1999, 7, 111-124.	1.7	33
92	Acquisition of Structure-guiding and Structure-forming Properties during Maturation from the Pro-silicatein to the Silicatein Form. <i>Journal of Biological Chemistry</i> , 2012, 287, 22196-22205.	3.4	33
93	Biosilica-loaded poly( $\epsilon$ -caprolactone) nanofibers mats provide a morphogenetically active surface scaffold for the growth and mineralization of the osteoclast-related SaOS-2 cells. <i>Biotechnology Journal</i> , 2014, 9, 1312-1321.	3.5	33
94	Isoquercitrin and polyphosphate co-enhance mineralization of human osteoblast-like SaOS-2 cells via separate activation of two RUNX2 cofactors AFT6 and Ets1. <i>Biochemical Pharmacology</i> , 2014, 89, 413-421.	4.4	33
95	Functional dissection of nuclear envelope mRNA translocation system: Effects of phorbol ester and a monoclonal antibody recognizing cytoskeletal structures. <i>Archives of Biochemistry and Biophysics</i> , 1988, 261, 394-404.	3.0	32
96	Purification and characterization of two exopolyphosphatases from the marine sponge <i>Tethya lyncurium</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1245, 17-28.	2.4	32
97	The mitogen-activated protein kinase p38 pathway is conserved in metazoans: Cloning and activation of p38 of the SAPK2 subfamily from the sponge <i>Suberites domuncula</i> *. <i>Biology of the Cell</i> , 2000, 92, 95-104.	2.0	32
98	The 2 <sup>5</sup> -oligoadenylate synthetase in the lowest metazoa: isolation, cloning, expression and functional activity in the sponge <i>Lubomirskia baicalensis</i> . <i>Molecular Immunology</i> , 2008, 45, 945-953.	2.2	32
99	Amplified morphogenetic and bone forming activity of amorphous versus crystalline calcium phosphate/polyphosphate. <i>Acta Biomaterialia</i> , 2020, 118, 233-247.	8.3	32
100	Species-Specific Aggregation Factor in Sponges. <i>Differentiation</i> , 1978, 10, 45-53.	1.9	31
101	Marine molecular biology: An emerging field of biological sciences. <i>Biotechnology Advances</i> , 2008, 26, 233-245.	11.7	31
102	Farinomalein derivatives from an unidentified endophytic fungus isolated from the mangrove plant <i>Avicennia marina</i> . <i>Tetrahedron Letters</i> , 2012, 53, 6721-6724.	1.4	31
103	Galectins in the Phylogenetically Oldest Metazoa, the Sponges (Porifera).. <i>Trends in Glycoscience and Glycotechnology</i> , 1997, 9, 123-130.	0.1	30
104	Magnetic resonance imaging of the siliceous skeleton of the demosponge <i>Lubomirskia baicalensis</i> . <i>Journal of Structural Biology</i> , 2006, 153, 31-41.	2.8	30
105	Age-dependent gene induction in quail oviduct. XV. Alterations of the poly(A)-associated protein pattern and of the poly(A) chain length of mRNA. <i>Mechanisms of Ageing and Development</i> , 1982, 19, 361-377.	4.6	29
106	Avarol restores the altered prostaglandin and leukotriene metabolism in monocytes infected with human immunodeficiency virus type 1. <i>Virus Research</i> , 1991, 21, 213-223.	2.2	29
107	Molecular evidence for the presence of a developmental gene in the lowest animals: identification of a homeobox-like gene in the marine sponge <i>Geodia cydonium</i> . <i>Mechanisms of Ageing and Development</i> , 1994, 77, 43-54.	4.6	29
108	Towards an understanding of the molecular basis of immune responses in sponges: The marine demosponge <i>Geodia cydonium</i> as a model. , 1999, 44, 219-236.		29

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109	Axial growth of hexactinellid spicules: Formation of cone-like structural units in the giant basal spicules of the hexactinellid <i>Monorhaphis</i> . <i>Journal of Structural Biology</i> , 2008, 164, 270-280.	2.8	29
110	Iodocionin, a Cytotoxic Iodinated Metabolite from the Mediterranean Ascidian <i>Ciona edwardsii</i> . <i>Marine Drugs</i> , 2010, 8, 285-291.	4.6	29
111	The enzyme carbonic anhydrase as an integral component of biogenic Ca <sup>2+</sup> carbonate formation in sponge spicules. <i>FEBS Open Bio</i> , 2013, 3, 357-362.	2.3	29
112	Change of processing and nucleocytoplasmic transport of mRNA in HSV-1-infected cells. <i>Virus Research</i> , 1989, 13, 61-78.	2.2	28
113	Origin of metazoan stem cell system in sponges: first approach to establish the model ( <i>Suberites</i> ) Tj ETQq1 1 0.784314 rgBT, Overload	2.7	28
114	Enzymatic Synthesis and Surface Deposition of Tin Dioxide using Silicatein-1 $\pm$ . <i>Chemistry of Materials</i> , 2011, 23, 5358-5365.	6.7	28
115	Characterization and osteogenic activity of a silicatein/biosilica-coated chitosan-graft-polycaprolactone. <i>Acta Biomaterialia</i> , 2014, 10, 4456-4464.	8.3	28
116	Species-specific aggregation factor in sponges V. Influence on programmed syntheses. <i>Nucleic Acids and Protein Synthesis</i> , 1976, 418, 217-225.	1.7	27
117	Hardening of bio-silica in sponge spicules involves an aging process after its enzymatic polycondensation: Evidence for an aquaporin-mediated water absorption. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 713-726.	2.4	27
118	Interaction of the retinoic acid signaling pathway with spicule formation in the marine sponge <i>Suberites domuncula</i> through activation of bone morphogenetic protein-1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 1178-1194.	2.4	27
119	Biosilica. <i>Advances in Marine Biology</i> , 2012, 62, 231-271.	1.4	27
120	Poly(A) polymerase in quail oviduct. <i>Nucleic Acids and Protein Synthesis</i> , 1975, 383, 147-159.	1.7	26
121	Aggregation of sponge cells. XX. Self-aggregation of the circular proteid particle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 551, 363-367.	2.6	26
122	The role of protein phosphokinase and protein phosphatase during the nuclear envelope nucleoside triphosphatase reaction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 773, 308-316.	2.6	26
123	Superoxide radical-induced loss of nuclear restriction of immature mRNA: A possible cause for ageing. <i>Mechanisms of Ageing and Development</i> , 1987, 41, 251-266.	4.6	26
124	Pharmacological intervention in age-associated brain disorders by Flupirtine: Alzheimer <sup>TM</sup> s and Prion diseases. <i>Mechanisms of Ageing and Development</i> , 1998, 101, 1-19.	4.6	26
125	Phenylalanine hydroxylase from the sponge <i>Geodia cydonium</i> : implication for allorecognition and evolution of aromatic amino acid HYDROXYLASESfn1fn1 Thesequence reported here is deposited in the EMBLGenBank data base (Accession no. Y16353).. <i>Developmental and Comparative Immunology</i> , 1998, 22, 469-478.	2.3	26
126	Mitochondrial genome of <i>Suberites domuncula</i> : Palindromes and inverted repeats are abundant in non-coding regions. <i>Gene</i> , 2008, 412, 1-11.	2.2	26



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127	Selective inhibition of formation of suppressor glutamine tRNA in moloney murine leukemia virus-infected NIH-3T3 cells by Avarol. <i>Virology</i> , 1988, 165, 518-526.	2.4	25
128	Regulation of motility of cells from marine sponges by calcium ions. <i>Cellular Signalling</i> , 1996, 8, 517-524.	3.6	25
129	Interrelation between Extracellular Adhesion Proteins and Extracellular Matrix in Reaggregation of Dissociated Sponge Cells. <i>International Review of Cytology</i> , 1988, 111, 211-229.	6.2	24
130	Molecular and functional analysis of the (6-4) photolyase from the hexactinellid <i>Aphrocallistes vastus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1651, 41-49.	2.3	24
131	Binding of polyribonucleotides and polydeoxyribonucleotides to bovine brain microtubule protein: Age-dependent modulation via phosphorylation of high-molecular-weight microtubule-associated proteins and tau proteins. <i>Mechanisms of Ageing and Development</i> , 1984, 24, 101-117.	4.6	23
132	Intracellular signal transduction pathways in sponges. <i>Electron Microscopy Reviews</i> , 1990, 3, 97-114.	1.3	23
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