

Marcin Wysokowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7479706/publications.pdf>

Version: 2024-02-01

168
papers

7,496
citations

41627

51
h-index

75989

78
g-index

175
all docs

175
docs citations

175
times ranked

7221
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of polysaccharide biopolymers as natural adsorbent in sample preparation. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 2626-2653.	5.4	8
2	Polysaccharide Stalks in <i>Didymosphenia geminata</i> Diatom: Real World Applications and Strategies to Combat Its Spread. <i>Polysaccharides</i> , 2022, 3, 83-94.	2.1	1
3	High-Performance Three-Dimensional Spongin@Atacamite Biocomposite for Electrochemical Nonenzymatic Glucose Sensing. <i>ACS Applied Bio Materials</i> , 2022, 5, 873-880.	2.3	9
4	Patentology of chitinous biomaterials. Part I: Chitin. <i>Carbohydrate Polymers</i> , 2022, 282, 119102.	5.1	19
5	Biocatalytic System Made of 3D Chitin, Silica Nanopowder and Horseradish Peroxidase for the Removal of 17 β -Ethinylestradiol: Determination of Process Efficiency and Degradation Mechanism. <i>Molecules</i> , 2022, 27, 1354.	1.7	10
6	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges. <i>Advanced Science</i> , 2022, 9, e21105059.	5.6	15
7	Highly Sensitive, Fast Response and Selective Glucose Detection Based on CuO/Nitrogen-doped Carbon Non-enzymatic Sensor. <i>Electroanalysis</i> , 2022, 34, 1725-1734.	1.5	5
8	A Short Overview: Marine Resources as Potential Interventions for the Omicron SARS-CoV-2 Variant. <i>Covid</i> , 2022, 2, 501-512.	0.7	2
9	Evaluation of electrodes composed of europium tungstate/reduced graphene oxide nanocomposite for use as supercapacitors. <i>Surfaces and Interfaces</i> , 2022, 31, 102002.	1.5	6
10	Ionic liquid-assisted synthesis of chitin-ethylene glycol hydrogels as electrolyte membranes for sustainable electrochemical capacitors. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
11	Application of polysaccharide-based biopolymers as supports in photocatalytic treatment of water and wastewater: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3789-3809.	8.3	13
12	The philosophy of extreme biomimetics. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00447.	1.7	5
13	Progress in chitin analytics. <i>Carbohydrate Polymers</i> , 2021, 252, 117204.	5.1	110
14	Didymo and Its Polysaccharide Stalks: Beneficial to the Environment or Not?. <i>Polysaccharides</i> , 2021, 2, 69-79.	2.1	2
15	Global diversity and distribution of Lamippidae copepods symbiotic on Octocorallia. <i>Symbiosis</i> , 2021, 83, 265-277.	1.2	5
16	Highly efficient sunitinib release from pH-responsive mHPMC@Chitosan core-shell nanoparticles. <i>Carbohydrate Polymers</i> , 2021, 258, 117719.	5.1	34
17	Thermal decomposition behaviour and numerical fitting for the pyrolysis kinetics of 3D spongin-based scaffolds. The classic approach. <i>Polymer Testing</i> , 2021, 97, 107148.	2.3	15
18	Extreme Biomimetics: Designing of the First Nanostructured 3D Spongin@Atacamite Composite and its Application. <i>Advanced Materials</i> , 2021, 33, e2101682.	11.1	21

#	ARTICLE	IF	CITATIONS
19	The Anti-Viral Applications of Marine Resources for COVID-19 Treatment: An Overview. <i>Marine Drugs</i> , 2021, 19, 409.	2.2	18
20	Forced Biomineralization: A Review. <i>Biomimetics</i> , 2021, 6, 46.	1.5	37
21	Adsorption of Cationic Dyes on a Magnetic 3D Spongin Scaffold with Nano-Sized Fe ₃ O ₄ Cores. <i>Marine Drugs</i> , 2021, 19, 512.	2.2	16
22	Marine biomimetics: bromotyrosines loaded chitinous skeleton as source of antibacterial agents. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 15.	1.1	14
23	Potential Biomedical Applications of Collagen Filaments derived from the Marine Demosponges <i>Ircinia oros</i> (Schmidt, 1864) and <i>Sarcotragus foetidus</i> (Schmidt, 1862). <i>Marine Drugs</i> , 2021, 19, 563.	2.2	12
24	Insights into the structure and morphogenesis of the giant basal spicule of the glass sponge <i>Monorhaphis chuni</i> . <i>Frontiers in Zoology</i> , 2021, 18, 58.	0.9	6
25	Calcite Nanotuned Chitinous Skeletons of Giant <i>Ianthella basta</i> Marine Demosponge. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12588.	1.8	11
26	Marine biomaterials: Biomimetic and pharmacological potential of cultivated <i>Aplysina aerophoba</i> marine demosponge. <i>Materials Science and Engineering C</i> , 2020, 109, 110566.	3.8	53
27	Progress in Modern Marine Biomaterials Research. <i>Marine Drugs</i> , 2020, 18, 589.	2.2	64
28	Macrobiomineralogy: Insights and Enigmas in Giant Whale Bones and Perspectives for Bioinspired Materials Science. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5357-5367.	2.6	17
29	¹ H NMR spectroscopy study of structural water in rehydrated biocomposite of <i>Spongilla lacustris</i> freshwater demosponge origin. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	1
30	Extreme biomineralization: the case of the hypermineralized ear bone of gray whale (<i>Eschrichtius</i>) Tj ETQqO 0 0 rgBT /Overlock, 10 Tf 50	1.1	12
31	Conchixes: organic scaffolds which resemble the size and shapes of mollusks shells, their isolation and potential multifunctional applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	20
32	Anti-Tumor Activity vs. Normal Cell Toxicity: Therapeutic Potential of the Bromotyrosines Aerothionin and Homoaerothionin In Vitro. <i>Marine Drugs</i> , 2020, 18, 236.	2.2	12
33	Functionalization of 3D Chitinous Skeletal Scaffolds of Sponge Origin Using Silver Nanoparticles and Their Antibacterial Properties. <i>Marine Drugs</i> , 2020, 18, 304.	2.2	12
34	Preparation of Fe ₃ O ₄ /SiO ₂ /TiO ₂ /CeVO ₄ Nanocomposites: Investigation of Photocatalytic Effects on Organic Pollutants, Bacterial Environments, and New Potential Therapeutic Candidate Against Cancer Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 192.	1.6	31
35	Electrochemical Approach for Isolation of Chitin from the Skeleton of the Black Coral <i>Cirripathes</i> sp. (<i>Antipatharia</i>). <i>Marine Drugs</i> , 2020, 18, 297.	2.2	19
36	Biosignatures in Subsurface Filamentous Fabrics (SFF) from the Deccan Volcanic Province, India. <i>Minerals</i> (Basel, Switzerland), 2020, 10, 540.	0.8	7

#	ARTICLE	IF	CITATIONS
37	Identification and first insights into the structure of chitin from the endemic freshwater demosponge <i>Ochridaspongia rotunda</i> (Arndt, 1937). <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1187-1194.	3.6	9
38	Modern scaffolding strategies based on naturally pre-fabricated 3D biomaterials of poriferan origin. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	40
39	In vivo biomimetic calcification of selected organic scaffolds using snail shell regeneration: a new methodological approach. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	7
40	The Impact of the Vanadium Oxide Addition on the Physicochemical Performance Stability and Intercalation of Lithium Ions of the TiO ₂ -rGO-electrode in Lithium Ion Batteries. <i>Materials</i> , 2020, 13, 1018.	1.3	8
41	3D Chitin Scaffolds of Marine Demosponge Origin for Biomimetic Mollusk Hemolymph-Associated Biomineralization Ex-Vivo. <i>Marine Drugs</i> , 2020, 18, 123.	2.2	36
42	Surface-Dependent Osteoblasts Response to TiO ₂ Nanotubes of Different Crystallinity. <i>Nanomaterials</i> , 2020, 10, 320.	1.9	30
43	A modified sensitive carbon paste electrode for 5-fluorouracil based using a composite of praseodymium erbium tungstate. <i>Microchemical Journal</i> , 2020, 154, 104654.	2.3	15
44	Naturally pre-designed biomaterials: Spider molting cuticle as a functional crude oil sorbent. <i>Journal of Environmental Management</i> , 2020, 261, 110218.	3.8	13
45	Electrochemical method for isolation of chitinous 3D scaffolds from cultivated <i>Aplysina aerophoba</i> marine demosponge and its biomimetic application. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	19
46	3D Chitin Scaffolds from the Marine Demosponge <i>Aplysina archeri</i> as a Support for Laccase Immobilization and Its Use in the Removal of Pharmaceuticals. <i>Biomolecules</i> , 2020, 10, 646.	1.8	25
47	Chitinous Scaffolds from Marine Sponges for Tissue Engineering. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019, , 285-307.	0.7	2
48	Investigation of the synergic effect of silver on the photodegradation behavior of Copper chromite nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13994-14006.	1.1	6
49	Naturally Prefabricated Marine Biomaterials: Isolation and Applications of Flat Chitinous 3D Scaffolds from <i>Ianthella labyrinthus</i> (Demospongiae: Verongiida). <i>International Journal of Molecular Sciences</i> , 2019, 20, 5105.	1.8	40
50	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from <i>Caribena versicolor</i> Spider Molt Cuticle. <i>Molecules</i> , 2019, 24, 3736.	1.7	35
51	Naturally Drug-Loaded Chitin: Isolation and Applications. <i>Marine Drugs</i> , 2019, 17, 574.	2.2	42
52	Hexactinellida from the Perth Canyon, Eastern Indian Ocean, with descriptions of five new species. <i>Zootaxa</i> , 2019, 4664, zootaxa.4664.1.2.	0.2	5
53	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019, 5, eaax2805.	4.7	53
54	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019, 226, 115301.	5.1	33

#	ARTICLE	IF	CITATIONS
55	Effect of Gd ³⁺ , Pr ³⁺ or Sm ³⁺ -substituted cobalt-zinc ferrite on photodegradation of methyl orange and cytotoxicity tests. <i>Journal of Rare Earths</i> , 2019, 37, 1288-1295.	2.5	71
56	Deposits of iron oxides in the human globus pallidus. <i>Open Physics</i> , 2019, 17, 291-298.	0.8	3
57	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 182-193.	5.8	143
58	A nanocomposite consisting of reduced graphene oxide and electropolymerized β -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019, 186, 438.	2.5	37
59	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from <i>Aplysina archeri</i> (Aplysineidae): Tj ETQq1 1 0,784314 rgBT /Over	2.2	65
60	Synthesis and Supercapacitor Application of Cerium Tungstate Nanostructure. <i>ChemistrySelect</i> , 2019, 4, 2862-2867.	0.7	19
61	New family and genus for <i>Dendrilla</i> -like sponges with characters of <i>Verongiida</i> . Part I redescription of <i>Dendrilla lacunosa</i> Hentschel 1912, diagnosis of the new family <i>Ernstillidae</i> and <i>Ernstilla</i> n. g.. <i>Zoologischer Anzeiger</i> , 2019, 280, 14-20.	0.4	14
62	New family and genus of a <i>Dendrilla</i> -like sponge with characters of <i>Verongiida</i> . Part II. Discovery of chitin in the skeleton of <i>Ernstilla lacunosa</i> . <i>Zoologischer Anzeiger</i> , 2019, 280, 21-29.	0.4	23
63	New Source of 3D Chitin Scaffolds: The Red Sea Demosponge <i>Pseudoceratina arabica</i> (<i>Pseudoceratina</i> idae, <i>Verongiida</i>). <i>Marine Drugs</i> , 2019, 17, 92.	2.2	36
64	Hydrothermal synthesis of multifunctional TiO ₂ -ZnO oxide systems with desired antibacterial and photocatalytic properties. <i>Applied Surface Science</i> , 2019, 463, 791-801.	3.1	64
65	Synthesis and characterization of MnWO ₄ /TmVO ₄ ternary nano-hybrids by an ultrasonic method for enhanced photocatalytic activity in the degradation of organic dyes. <i>Materials Letters</i> , 2019, 238, 159-162.	1.3	80
66	The Circle: Biomineralization-Demineralization-Remineralization in Nature. <i>Biologically-inspired Systems</i> , 2019, , 53-65.	0.4	0
67	Biomineralization. <i>Biologically-inspired Systems</i> , 2019, , 45-51.	0.4	0
68	Chitin. <i>Biologically-inspired Systems</i> , 2019, , 277-294.	0.4	0
69	Epiloque. <i>Biologically-inspired Systems</i> , 2019, , 321-326.	0.4	0
70	Collagens from Marine Invertebrates. <i>Biologically-inspired Systems</i> , 2019, , 295-308.	0.4	0
71	Removal of nickel(II) and lead(II) ions from aqueous solution using peat as a low-cost adsorbent: A kinetic and equilibrium study. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1209-1222.	2.3	129
72	The demosponge <i>Pseudoceratina purpurea</i> as a new source of fibrous chitin. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 1021-1028.	3.6	31

#	ARTICLE	IF	CITATIONS
73	The Use of Spray Drying in the Production of Inorganic-Organic Hybrid Materials with Defined Porous Structure. Lecture Notes on Multidisciplinary Industrial Engineering, 2018, , 169-183.	0.4	0
74	Iron(III) phthalocyanine supported on a spongin scaffold as an advanced photocatalyst in a highly efficient removal process of halophenols and bisphenol A. Journal of Hazardous Materials, 2018, 347, 78-88.	6.5	55
75	Extreme biomimetics: A carbonized 3D spongin scaffold as a novel support for nanostructured manganese oxide(IV) and its electrochemical applications. Nano Research, 2018, 11, 4199-4214.	5.8	51
76	The effect of operational parameters on the biodegradation of bisphenols by <i>Trametes versicolor</i> laccase immobilized on <i>Hippospongia communis</i> spongin scaffolds. Science of the Total Environment, 2018, 615, 784-795.	3.9	143
77	Biosilica as a source for inspiration in biological materials science. American Mineralogist, 2018, 103, 665-691.	0.9	62
78	Synthesis and characterization of novel copper oxide-chitosan nanocomposites for non-enzymatic glucose sensing. Sensors and Actuators B: Chemical, 2018, 272, 296-307.	4.0	82
79	Anti-Tumorigenic and Anti-Metastatic Activity of the Sponge-Derived Marine Drugs Aeropylsinin-1 and Isofistularin-3 against Pheochromocytoma In Vitro. Marine Drugs, 2018, 16, 172.	2.2	39
80	First Report on Chitin in a Non-Verongioid Marine Demosponge: The <i>Mycale euplectellioides</i> Case. Marine Drugs, 2018, 16, 68.	2.2	26
81	Collagens of Poriferan Origin. Marine Drugs, 2018, 16, 79.	2.2	72
82	Marine Spongin: Naturally Prefabricated 3D Scaffold-Based Biomaterial. Marine Drugs, 2018, 16, 88.	2.2	66
83	Discovery of chitin in skeletons of non-verongioid Red Sea demosponges. PLoS ONE, 2018, 13, e0195803.	1.1	31
84	Zaawansowane funkcjonalne materiały wytwarzane z użyciem substancji pochodzenia naturalnego. Przemysł Chemiczny, 2018, 1, 52-62.	0.0	0
85	Niebiologiczne metody degradacji surfaktantów w niejonowych w środowisku wodnym. Przemysł Chemiczny, 2018, 1, 48-51.	0.0	0
86	Study on establishing normal ranges of chosen biochemical parameters of haemolymph of <i>Cornu aspersum maxima</i> and <i>Cepaea nemoralis</i> gastropods. Polish Journal of Veterinary Sciences, 2018, 21, 445-449.	0.2	4
87	Chitin of poriferan origin and the bioelectrometallurgy of copper/copper oxide. International Journal of Biological Macromolecules, 2017, 104, 1626-1632.	3.6	47
88	Isolation and identification of chitin from heavy mineralized skeleton of <i>Suberea clavata</i> (Verongida). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2017, 104, 1706-1712.	3.6	44
89	miRNA-mediated expression switch of cell adhesion genes driven by microcirculation in chip. Biochip Journal, 2017, 11, 262-269.	2.5	9
90	Novel chitin scaffolds derived from marine sponge <i>lanthella basta</i> for tissue engineering approaches based on human mesenchymal stromal cells: Biocompatibility and cryopreservation. International Journal of Biological Macromolecules, 2017, 104, 1955-1965.	3.6	75

#	ARTICLE	IF	CITATIONS
91	3D chitinous scaffolds derived from cultivated marine demosponge <i>Aplysina aerophoba</i> for tissue engineering approaches based on human mesenchymal stromal cells. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1966-1974.	3.6	59
92	Extreme biomimetic approach for synthesis of nanocrystalline chitin-(Ti,Zr)O ₂ multiphase composites. <i>Materials Chemistry and Physics</i> , 2017, 188, 115-124.	2.0	34
93	On chemistry of β -chitin. <i>Carbohydrate Polymers</i> , 2017, 176, 177-186.	5.1	225
94	Adhesive Stalks of Diatom <i>Didymosphenia geminata</i> as a Novel Biological Adsorbent for Hazardous Metals Removal. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600678.	0.7	13
95	Treatment of model solutions and wastewater containing selected hazardous metal ions using a chitin/lignin hybrid material as an effective sorbent. <i>Journal of Environmental Management</i> , 2017, 204, 300-310.	3.8	49
96	Hydrothermal Synthesis of Advanced Chitin-Based Materials. , 2017, , 223-249.		0
97	Immobilization of Titanium(IV) Oxide onto 3D Spongin Scaffolds of Marine Sponge Origin According to Extreme Biomimetics Principles for Removal of C.I. Basic Blue 9. <i>Biomimetics</i> , 2017, 2, 4.	1.5	31
98	Spongin-Based Scaffolds from <i>Hippospongia communis</i> Demosponge as an Effective Support for Lipase Immobilization. <i>Catalysts</i> , 2017, 7, 147.	1.6	35
99	Magnetic Properties of Iron Oxides in the Human <i>Globus pallidus</i> . <i>Journal of Bioanalysis & Biomedicine</i> , 2017, 09, .	0.1	6
100	Advanced hybrid materials. Present and future Zaawansowane materiały hybrydowe. <i>Terańskie zioła i przyszyby</i> . <i>Przemysł Chemiczny</i> , 2017, 1, 137-142.	0.0	0
101	<i>Candida antarctica</i> Lipase B Immobilized onto Chitin Conjugated with POSS® Compounds: Useful Tool for Rapeseed Oil Conversion. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1581.	1.8	13
102	Sodium Copper Chlorophyllin Immobilization onto <i>Hippospongia communis</i> Marine Demosponge Skeleton and Its Antibacterial Activity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1564.	1.8	25
103	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. <i>Advanced Functional Materials</i> , 2016, 26, 2503-2510.	7.8	37
104	Marine sponge skeleton photosensitized by copper phthalocyanine: A catalyst for Rhodamine B degradation. <i>Open Chemistry</i> , 2016, 14, 243-254.	1.0	29
105	Polyhedral oligomeric silsesquioxanes as an effective modifying agents in lipase from <i>Candida antarctica</i> immobilization. <i>New Biotechnology</i> , 2016, 33, S99.	2.4	0
106	Marine Invertebrates of Boka Kotorska Bay Unique Sources for Bioinspired Materials Science. <i>Handbook of Environmental Chemistry</i> , 2016, , 313-334.	0.2	5
107	Anthocyanin dye conjugated with <i>Hippospongia communis</i> marine demosponge skeleton and its antiradical activity. <i>Dyes and Pigments</i> , 2016, 134, 541-552.	2.0	34
108	Supercontinuum Generation in Naturally Occurring Glass Sponges Spicules. <i>Advanced Optical Materials</i> , 2016, 4, 1608-1613.	3.6	41

#	ARTICLE	IF	CITATIONS
109	Functionalization of organically modified silica with gold nanoparticles in the presence of lignosulfonate. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 74-81.	3.6	29
110	A novel chitosan/sponge chitin origin material as a membrane for supercapacitors – preparation and characterization. <i>RSC Advances</i> , 2016, 6, 4007-4013.	1.7	78
111	Chitin-Lignin Material as a Novel Matrix for Enzyme Immobilization. <i>Marine Drugs</i> , 2015, 13, 2424-2446.	2.2	70
112	Discovery of a living coral reef in the coastal waters of Iraq. <i>Scientific Reports</i> , 2015, 4, 4250.	1.6	29
113	Poriferan Chitin as a Versatile Template for Extreme Biomimetics. <i>Polymers</i> , 2015, 7, 235-265.	2.0	176
114	Preparation of monolithic silica–chitin composite under extreme biomimetic conditions. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 33-38.	3.6	29
115	Adsorption of C.I. Natural Red 4 onto Spongin Skeleton of Marine Demosponge. <i>Materials</i> , 2015, 8, 96-116.	1.3	36
116	Solvothermal synthesis of hydrophobic chitin–polyhedral oligomeric silsesquioxane (POSS) nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015, 78, 224-229.	3.6	37
117	Octacalcium phosphate – a metastable mineral phase controls the evolution of scaffold forming proteins. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5318-5329.	2.9	43
118	Renewable chitin from marine sponge as a thermostable biological template for hydrothermal synthesis of hematite nanospheres using principles of extreme biomimetics. <i>Bioinspired Materials</i> , 2015, 1, .	1.5	11
119	Extreme biomimetic approach for developing novel chitin-GeO ₂ nanocomposites with photoluminescent properties. <i>Nano Research</i> , 2015, 8, 2288-2301.	5.8	71
120	Insight into Bio-metal Interface Formation in vacuo: Interplay of S-layer Protein with Copper and Iron. <i>Scientific Reports</i> , 2015, 5, 8710.	1.6	17
121	Novel nanostructured hematite–spongin composite developed using an extreme biomimetic approach. <i>RSC Advances</i> , 2015, 5, 79031-79040.	1.7	71
122	Silica conjugated with kraft lignin and its use as a novel –green–™ sorbent for hazardous metal ions removal. <i>Chemical Engineering Journal</i> , 2015, 260, 684-693.	6.6	136
123	Metabolic Influence of Psychrophilic Diatoms on Travertines at the Huanglong Natural Scenic District of China. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 13084-13096.	1.2	11
124	Synthesis of nanostructured chitin–hematite composites under extreme biomimetic conditions. <i>RSC Advances</i> , 2014, 4, 61743-61752.	1.7	53
125	Deposition of silver nanoparticles on organically-modified silica in the presence of lignosulfonate. <i>RSC Advances</i> , 2014, 4, 52476-52484.	1.7	23
126	Biom mineralization special issue. <i>Acta Biomaterialia</i> , 2014, 10, 3813-3814.	4.1	3

#	ARTICLE	IF	CITATIONS
127	Silica/lignosulfonate hybrid materials: Preparation and characterization. <i>Open Chemistry</i> , 2014, 12, 719-735.	1.0	27
128	Identification of chitin in 200-million-year-old gastropod egg capsules. <i>Paleobiology</i> , 2014, 40, 529-540.	1.3	39
129	Modification of Chitin with Kraft Lignin and Development of New Biosorbents for Removal of Cadmium(II) and Nickel(II) Ions. <i>Marine Drugs</i> , 2014, 12, 2245-2268.	2.2	124
130	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge <i>Spongilla lacustris</i> . <i>Journal of Structural Biology</i> , 2013, 183, 474-483.	1.3	88
131	Poriferan chitin as a template for hydrothermal zirconia deposition. <i>Frontiers of Materials Science</i> , 2013, 7, 248-260.	1.1	71
132	Brominated Skeletal Components of the Marine Demosponges, <i>Aplysina cavernicola</i> and <i>Ianthella basta</i> : Analytical and Biochemical Investigations. <i>Marine Drugs</i> , 2013, 11, 1271-1287.	2.2	29
133	An extreme biomimetic approach: hydrothermal synthesis of β -chitin/ZnO nanostructured composites. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6469.	2.9	87
134	Isolation and identification of chitin in three-dimensional skeleton of <i>Aplysina fistularis</i> marine sponge. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 94-100.	3.6	91
135	Preparation of chitin-silica composites by in vitro silicification of two-dimensional <i>Ianthella basta</i> demosponge chitinous scaffolds under modified Stober conditions. <i>Materials Science and Engineering C</i> , 2013, 33, 3935-3941.	3.8	66
136	Isolation and identification of the microalgal symbiont from primmorphs of the endemic freshwater sponge <i>Lubomirskia baicalensis</i> (Lubomirskiidae, Porifera). <i>European Journal of Phycology</i> , 2013, 48, 497-508.	0.9	22
137	Synthesis of magnesium hydroxide and its calcinates by a precipitation method with the use of magnesium sulfate and poly(ethylene glycols). <i>Powder Technology</i> , 2013, 235, 148-157.	2.1	67
138	Chitin-based renewable materials from marine sponges for uranium adsorption. <i>Carbohydrate Polymers</i> , 2013, 92, 712-718.	5.1	82
139	Extreme Biomimetics: formation of zirconium dioxide nanophase using chitinous scaffolds under hydrothermal conditions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5092.	2.9	84
140	First report on chitinous holdfast in sponges (Porifera). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130339.	1.2	40
141	Preparation and Characterization of Multifunctional Chitin/Lignin Materials. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-13.	1.5	42
142	Poriferan Chitin as the Scaffold for Nanosilica Deposition under Hydrothermal Synthesis Conditions. <i>Journal of Chitin and Chitosan Science</i> , 2013, 1, 26-33.	0.3	21
143	Isolation and identification of chitin in the black coral <i>Parantipathes larix</i> (Anthozoa: Cnidaria). <i>International Journal of Biological Macromolecules</i> , 2012, 51, 129-137.	3.6	82
144	Three-dimensional structure of the shell plate assembly of the chiton <i>Tonicella marmorea</i> and its biomechanical consequences. <i>Journal of Structural Biology</i> , 2012, 177, 314-328.	1.3	72

#	ARTICLE	IF	CITATIONS
145	Integrative Taxonomy and Molecular Phylogeny of Genus <i>Aplysina</i> (Demospongiae: Verongida) from Mexican Pacific. <i>PLoS ONE</i> , 2012, 7, e42049.	1.1	48
146	Biomimetic Silicification of Fibrous Chitin from Diatoms. <i>Chemistry of Materials</i> , 2011, 23, 2973-2978.	3.2	73
147	Calcite Reinforced Silica—Silica Joints in the Biocomposite Skeleton of Deep-Sea Glass Sponges. <i>Advanced Functional Materials</i> , 2011, 21, 3473-3481.	7.8	43
148	Revision of <i>Aspidoscopulia</i> Reiswig, 2002 (Porifera: Hexactinellida: Farreidae) with description of two new species. <i>Zootaxa</i> , 2011, 2883, .	0.2	9
149	Carboxymethylation of the fibrillar collagen with respect to formation of hydroxyapatite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 542-551.	1.6	19
150	Spatially resolved determination of the structure and composition of diatom cell walls by Raman and FTIR imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 509-517.	1.9	43
151	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. <i>Nature Chemistry</i> , 2010, 2, 1084-1088.	6.6	149
152	Discrimination between cells of murine and human origin in xenotransplants by species specific genomic in situ hybridization. <i>Xenotransplantation</i> , 2010, 17, 153-159.	1.6	48
153	Insights into Chemistry of Biological Materials: Newly Discovered Silica-Aragonite-Chitin Biocomposites in Demosponges. <i>Chemistry of Materials</i> , 2010, 22, 1462-1471.	3.2	112
154	Chitin and collagen as universal and alternative templates in biomineralization. <i>International Geology Review</i> , 2010, 52, 661-699.	1.1	292
155	Modern Views on Desilicification: Biosilica and Abiotic Silica Dissolution in Natural and Artificial Environments. <i>Chemical Reviews</i> , 2010, 110, 4656-4689.	23.0	215
156	Biological Materials of Marine Origin. <i>Biologically-inspired Systems</i> , 2010, , .	0.4	58
157	The Spines of Sand Dollar <i>Scaphechinus mirabilis</i> (Agassiz 1863): Analytical and Structural Study. <i>Journal of Advanced Microscopy Research</i> , 2010, 5, 100-109.	0.3	7
158	Chitin-Based Organic Networks: An Integral Part of Cell Wall Biosilica in the Diatom <i>Thalassiosira pseudonana</i>. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9724-9727.	7.2	222
159	Principles of demineralization: Modern strategies for the isolation of organic frameworks. <i>Micron</i> , 2009, 40, 169-193.	1.1	97
160	Modification of collagen in vitro with respect to formation of N ^ε -carboxymethyllysine. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 51-56.	3.6	37
161	Principles of demineralization: Modern strategies for the isolation of organic frameworks. <i>Micron</i> , 2008, 39, 1062-1091.	1.1	76
162	Nanostructural Organization of Naturally Occurring Composites—Part I: Silica-Collagen-Based Biocomposites. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-8.	1.5	24

#	ARTICLE	IF	CITATIONS
163	Nanostructural Organization of Naturally Occurring Compositesâ€™Part II: Silica-Chitin-Based Biocomposites. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-8.	1.5	41
164	Biomimetically inspired hybrid materials based on silicified collagen. <i>International Journal of Materials Research</i> , 2007, 98, 603-608.	0.1	55
165	First evidence of chitin as a component of the skeletal fibers of marine sponges. Part I. Verongidae (demospongia: Porifera). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007, 308B, 347-356.	0.6	206
166	First evidence of the presence of chitin in skeletons of marine sponges. Part II. Glass sponges (Hexactinellida: Porifera). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007, 308B, 473-483.	0.6	139
167	Ultrastructural Studies on the Collagen of the Marine Sponge <i>Chondrosia reniformis</i> Nardo. <i>Biomacromolecules</i> , 2007, 8, 3452-3457.	2.6	96
168	Chitosan membrane as a template for hydroxyapatite crystal growth in a model dual membrane diffusion system. <i>Journal of Membrane Science</i> , 2006, 273, 124-128.	4.1	66