

Hermann Ehrlich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236 papers	6,749 citations	45 h-index	75 g-index
243 ext. papers	7,799 ext. citations	4.5 avg, IF	6.08 L-index

#	Paper	IF	Citations
236	Polysaccharide Stalks in <i>Didymosphenia geminata</i> Diatom: Real World Applications and Strategies to Combat Its Spread. <i>Polysaccharides</i> , 2022 , 3, 83-94	3	
235	Patentology of chitinous biomaterials. Part I: Chitin.. <i>Carbohydrate Polymers</i> , 2022 , 282, 119102	10.3	3
234	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges.. <i>Advanced Science</i> , 2022 , e2105059	13.6	3
233	A Short Overview: Marine Resources as Potential Interventions for the Omicron SARS-CoV-2 Variant. <i>Covid</i> , 2022 , 2, 501-512		
232	Evaluation of electrodes composed of europium tungstate/reduced graphene oxide nanocomposite for use as supercapacitors. <i>Surfaces and Interfaces</i> , 2022 , 102002	4.1	1
231	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	2.8	2
230	A new electrochemical aptasensor based on gold/nitrogen-doped carbon nano-onions for the detection of <i>Staphylococcus aureus</i> . <i>Electrochimica Acta</i> , 2021 , 403, 139633	6.7	8
229	Potential Biomedical Applications of Collagen Filaments derived from the Marine Demosponges (Schmidt, 1864) and (Schmidt, 1862). <i>Marine Drugs</i> , 2021 , 19,	6	4
228	Global diversity and distribution of Lamippidae copepods symbiotic on Octocorallia. <i>Symbiosis</i> , 2021 , 83, 265-277	3	2
227	Highly efficient sunitinib release from pH-responsive mHPMC@Chitosan core-shell nanoparticles. <i>Carbohydrate Polymers</i> , 2021 , 258, 117719	10.3	11
226	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	4.5	4
225	Extreme Biomimetics: Designing of the First Nanostructured 3D Spongin-Atacamite Composite and its Application. <i>Advanced Materials</i> , 2021 , 33, e2101682	24	7
224	The Anti-Viral Applications of Marine Resources for COVID-19 Treatment: An Overview. <i>Marine Drugs</i> , 2021 , 19,	6	6
223	Progress in chitin analytics. <i>Carbohydrate Polymers</i> , 2021 , 252, 117204	10.3	41
222	Didymo and Its Polysaccharide Stalks: Beneficial to the Environment or Not?. <i>Polysaccharides</i> , 2021 , 2, 69-79	3	2
221	Forced Biomineralization: A Review. <i>Biomimetics</i> , 2021 , 6,	3.7	8
220	Adsorption of Cationic Dyes on a Magnetic 3D Spongin Scaffold with Nano-Sized FeO Cores. <i>Marine Drugs</i> , 2021 , 19,	6	3

219	Application of polysaccharide biopolymers as natural adsorbent in sample preparation. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-28	11.5	2
218	Marine biomimetics: bromotyrosines loaded chitinous skeleton as source of antibacterial agents. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 15	2.6	10
217	Anti-Tumor Activity vs. Normal Cell Toxicity: Therapeutic Potential of the Bromotyrosines Aerothionin and Homoaerothionin In Vitro. <i>Marine Drugs</i> , 2020 , 18,	6	8
216	Functionalization of 3D Chitinous Skeletal Scaffolds of Sponge Origin Using Silver Nanoparticles and Their Antibacterial Properties. <i>Marine Drugs</i> , 2020 , 18,	6	4
215	Preparation of FeO/SiO/TiO/CeVO 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	5.6	14
214	Electrochemical Approach for Isolation of Chitin from the Skeleton of the Black Coral sp. (Antipatharia). <i>Marine Drugs</i> , 2020 , 18,	6	6
213	Biosignatures in Subsurface Filamentous Fabrics (SFF) from the Deccan Volcanic Province, India. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 540	2.4	7
212	Identification and first insights into the structure of chitin from the endemic freshwater demosponge Ochridaspongia rotunda (Arndt, 1937). <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1187-1194	7.9	5
211	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	2.6	25
210	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	2.6	6
209	3D Chitin Scaffolds of Marine Demosponge Origin for Biomimetic Mollusk Hemolymph-Associated Biomineralization. <i>Marine Drugs</i> , 2020 , 18,	6	30
208	A modified sensitive carbon paste electrode for 5-fluorouracil based using a composite of praseodymium erbium tungstate. <i>Microchemical Journal</i> , 2020 , 154, 104654	4.8	5
207	Naturally pre-designed biomaterials: Spider molting cuticle as a functional crude oil sorbent. <i>Journal of Environmental Management</i> , 2020 , 261, 110218	7.9	7
206	Electrochemical method for isolation of chitinous 3D scaffolds from cultivated Aplysina aerophoba marine demosponge and its biomimetic application. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	10
205	3D Chitin Scaffolds from the Marine Demosponge as a Support for Laccase Immobilization and Its Use in the Removal of Pharmaceuticals. <i>Biomolecules</i> , 2020 , 10,	5.9	13
204	Marine biomaterials: Biomimetic and pharmacological potential of cultivated Aplysina aerophoba marine demosponge. <i>Materials Science and Engineering C</i> , 2020 , 109, 110566	8.3	33
203	Progress in Modern Marine Biomaterials Research. <i>Marine Drugs</i> , 2020 , 18,	6	32
202	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	5.5	7

201	1H 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	2.6	1
200	Extreme biomineralization: the case of the hypermineralized ear bone of gray whale (<i>Eschrichtius robustus</i>). <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	3
199	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	2.6	7
198	Synthesis, characterization and DNA binding studies of a new ibuprofen-platinum(II) complex. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 1119-1129	3.6	6
197	Hexactinellida from the Perth Canyon, Eastern Indian Ocean, with descriptions of five new species. <i>Zootaxa</i> , 2019 , 4664, zootaxa.4664.1.2	0.5	3
196	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019 , 5, eaax2805	14.3	38
195	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019 , 226, 115301	10.3	26
194	Effect of Gd ³⁺ , Pr ³⁺ or Sm ³⁺ -substituted cobalt ²⁺ ferrite on photodegradation of methyl orange and cytotoxicity tests. <i>Journal of Rare Earths</i> , 2019 , 37, 1288-1295	3.7	44
193	Deposits of iron oxides in the human globus pallidus. <i>Open Physics</i> , 2019 , 17, 291-298	1.3	2
192	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 182-193	14.6	81
191	A nanocomposite consisting of reduced graphene oxide and electropolymerized β -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019 , 186, 438	5.8	21
190	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from (Aplysineidae: Verongiida) Demosponge. <i>Marine Drugs</i> , 2019 , 17,	6	48
189	Synthesis and Supercapacitor Application of Cerium Tungstate Nanostructure. <i>ChemistrySelect</i> , 2019 , 4, 2862-2867	1.8	9
188	New family and genus for Dendrilla-like sponges with characters of Verongiida. Part I redescription of <i>Dendrilla lacunosa</i> Hentschel 1912, diagnosis of the new family Ernstillidae and <i>Ernstilla</i> n. g.. <i>Zoologischer Anzeiger</i> , 2019 , 280, 14-20	1.1	12
187	New family and genus of a Dendrilla-like sponge with characters of Verongiida. Part II. Discovery of chitin in the skeleton of <i>Ernstilla lacunosa</i> . <i>Zoologischer Anzeiger</i> , 2019 , 280, 21-29	1.1	18
186	New Source of 3D Chitin Scaffolds: The Red Sea Demosponge (Pseudoceratinidae, Verongiida). <i>Marine Drugs</i> , 2019 , 17,	6	31
185	Chitinous Scaffolds from Marine Sponges for Tissue Engineering. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 285-307	0.6	1
184	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	2.1	5

183	Naturally Prefabricated Marine Biomaterials: Isolation and Applications of Flat Chitinous 3D Scaffolds from (Demospongiae: Verongiida). <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	27
182	Marine Biological Materials of Invertebrate Origin. <i>Biologically-inspired Systems</i> , 2019 ,	0.7	11
181	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from Spider Molt Cuticle. <i>Molecules</i> , 2019 , 24,	4.8	24
180	Naturally Drug-Loaded Chitin: Isolation and Applications. <i>Marine Drugs</i> , 2019 , 17,	6	26
179	Sponge Biosilica- Perfectionism in Glass. <i>Biologically-inspired Systems</i> , 2019 , 87-118	0.7	
178	Living Bone Implants of Bamboo Corals Origin. <i>Biologically-inspired Systems</i> , 2019 , 127-131	0.7	
177	Extreme Biomimetics. <i>Biologically-inspired Systems</i> , 2019 , 311-319	0.7	
176	Biomaterials. <i>Biologically-inspired Systems</i> , 2019 , 21-44	0.7	
175	Antipathin. <i>Biologically-inspired Systems</i> , 2019 , 185-192	0.7	
174	The Circle: Biomaterialization-Demineralization-Remineralization in Nature. <i>Biologically-inspired Systems</i> , 2019 , 53-65	0.7	
173	Biomaterialization. <i>Biologically-inspired Systems</i> , 2019 , 45-51	0.7	
172	Resilin. <i>Biologically-inspired Systems</i> , 2019 , 229-233	0.7	
171	Adhesion Systems in Echinodermata. <i>Biologically-inspired Systems</i> , 2019 , 235-241	0.7	
170	Chitin-Protein-Based Composites. <i>Biologically-inspired Systems</i> , 2019 , 263-274	0.7	
169	Adhesive Gels of Marine Gastropods (Mollusca) Origin. <i>Biologically-inspired Systems</i> , 2019 , 243-246	0.7	
168	Spicular Structures in Molluscs. <i>Biologically-inspired Systems</i> , 2019 , 133-157	0.7	
167	Chitin. <i>Biologically-inspired Systems</i> , 2019 , 277-294	0.7	
166	Abductin. <i>Biologically-inspired Systems</i> , 2019 , 225-228	0.7	

165	Epiloque. <i>Biologically-inspired Systems</i> , 2019 , 321-326	0.7	
164	Hierarchical Biological Materials. <i>Biologically-inspired Systems</i> , 2019 , 69-80	0.7	
163	Rubber-Like Bioelastomers of Marine Origin. <i>Biologically-inspired Systems</i> , 2019 , 193-201	0.7	
162	Gorgonin. <i>Biologically-inspired Systems</i> , 2019 , 173-184	0.7	0
161	Biomaterials and Biological Materials. <i>Biologically-inspired Systems</i> , 2019 , 3-18	0.7	
160	Capsular Bioelastomers of Whelks. <i>Biologically-inspired Systems</i> , 2019 , 203-209	0.7	
159	Collagens from Marine Invertebrates. <i>Biologically-inspired Systems</i> , 2019 , 295-308	0.7	
158	Interspace Mineralization Within Bilayered Organic Matrix of Deep-Sea Bamboo Coral (Anthozoa: Gorgonacea: Isididae). <i>Biologically-inspired Systems</i> , 2019 , 119-126	0.7	
157	Halogenated Biocomposites. <i>Biologically-inspired Systems</i> , 2019 , 255-262	0.7	
156	Biocements. <i>Biologically-inspired Systems</i> , 2019 , 247-254	0.7	
155	Byssus: From Inspiration to Development of Novel Composites. <i>Biologically-inspired Systems</i> , 2019 , 211-224	0.7	0
154	Paleodyction- Enigmatic Honeycomb Structure. <i>Biologically-inspired Systems</i> , 2019 , 81-85	0.7	1
153	Enigmatic Structural Protein Spongin. <i>Biologically-inspired Systems</i> , 2019 , 161-172	0.7	2
152	Methods of Isolating Chitin from Sponges (Porifera) 2019 , 35-59		1
151	Hydrothermal synthesis of multifunctional TiO ₂ -ZnO oxide systems with desired antibacterial and photocatalytic properties. <i>Applied Surface Science</i> , 2019 , 463, 791-801	6.7	43
150	A theoretical study of two novel Schiff bases as inhibitors of carbon steel corrosion in acidic medium. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	17
149	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	3.3	70
148	A Comparative Computational Investigation of Phosgene Adsorption on (XY) ₁₂ (X = Al, B and Y = N, P) Nanoclusters: DFT Investigations. <i>Journal of Cluster Science</i> , 2019 , 30, 203-218	3	24

147	The demosponge <i>Pseudoceratina purpurea</i> as a new source of fibrous chitin. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 1021-1028	7.9	28
146	Iron(III) phthalocyanine supported on a spongin scaffold as an advanced photocatalyst in a highly efficient removal process of halophenols and bisphenol A. <i>Journal of Hazardous Materials</i> , 2018 , 347, 78-88	12.8	41
145	Tailored synthesis of Sm ₂ O ₃ and Eu ₂ O ₃ doped ZrO ₂ nanoparticles: photodegradation of p-nitrophenol in water. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11081-11089	2.1	2
144	Sonochemical synthesis of terbium tungstate for developing high power supercapacitors with enhanced energy densities. <i>Ultrasonics Sonochemistry</i> , 2018 , 45, 189-196	8.9	35
143	Extreme biomimetics: A carbonized 3D spongin scaffold as a novel support for nanostructured manganese oxide(IV) and its electrochemical applications. <i>Nano Research</i> , 2018 , 11, 4199-4214	10	38
142	The effect of operational parameters on the biodegradation of bisphenols by <i>Trametes versicolor</i> laccase immobilized on <i>Hippospongia communis</i> spongin scaffolds. <i>Science of the Total Environment</i> , 2018 , 615, 784-795	10.2	109
141	Anti-Tumorigenic and Anti-Metastatic Activity of the Sponge-Derived Marine Drugs Aeroplysinin-1 and Isofistularin-3 against Pheochromocytoma In Vitro. <i>Marine Drugs</i> , 2018 , 16,	6	28
140	First Report on Chitin in a Non-Verongioid Marine Demosponge: The <i>Mycale euplectellioides</i> Case. <i>Marine Drugs</i> , 2018 , 16,	6	23
139	Collagens of Poriferan Origin. <i>Marine Drugs</i> , 2018 , 16,	6	52
138	Marine Spongin: Naturally Prefabricated 3D Scaffold-Based Biomaterial. <i>Marine Drugs</i> , 2018 , 16,	6	53
137	Discovery of chitin in skeletons of non-verongioid Red Sea demosponges. <i>PLoS ONE</i> , 2018 , 13, e0195803	3.7	24
136	Multispectroscopic and molecular modeling studies on the interaction of copper-ibuprofenate complex with bovine serum albumin (BSA). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 203, 510-521	4.4	24
135	Biosilica as a source for inspiration in biological materials science. <i>American Mineralogist</i> , 2018 , 103, 665-691	6.9	45
134	Chitin of Poriferan Origin as a Unique Biological Material 2018 , 821-854		2
133	Development of electrochemical sensor for sensitive determination of oxazepam based on silver-platinum core-shell nanoparticles supported on graphene. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 823, 61-66	4.1	53
132	Chitin of poriferan origin and the bioelectrometallurgy of copper/copper oxide. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1626-1632	7.9	40
131	Isolation and identification of chitin from heavy mineralized skeleton of <i>Suberea clavata</i> (Verongida: Demospongiae: Porifera) marine demosponge. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1706-1712	7.9	38
130	miRNA-mediated expression switch of cell adhesion genes driven by microcirculation in chip. <i>Biochip Journal</i> , 2017 , 11, 262-269	4	8

129	Novel chitin scaffolds derived from marine sponge <i>Ianthella basta</i> for tissue engineering approaches based on human mesenchymal stromal cells: Biocompatibility and cryopreservation. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1955-1965	7.9	60
128	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	7.9	49
127	Extreme biomimetic approach for synthesis of nanocrystalline chitin-(Ti,Zr)O ₂ multiphase composites. <i>Materials Chemistry and Physics</i> , 2017 , 188, 115-124	4.4	29
126	On chemistry of E-chitin. <i>Carbohydrate Polymers</i> , 2017 , 176, 177-186	10.3	151
125	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	1.6	10
124	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	7.9	36
123	Psychrophiles as Sources for Bioinspiration in Biomineralization and Biological Materials Science 2017 , 1-51		2
122	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,	3.7	25
121	Spongin-Based Scaffolds from <i>Hippospongia communis</i> Demosponge as an Effective Support for Lipase Immobilization. <i>Catalysts</i> , 2017 , 7, 147	4	29
120	Anthocyanin dye conjugated with <i>Hippospongia communis</i> marine demosponge skeleton and its antiradical activity. <i>Dyes and Pigments</i> , 2016 , 134, 541-552	4.6	23
119	Supercontinuum Generation in Naturally Occurring Glass Sponges Spicules. <i>Advanced Optical Materials</i> , 2016 , 4, 1608-1613	8.1	34
118	Functionalization of organically modified silica with gold nanoparticles in the presence of lignosulfonate. <i>International Journal of Biological Macromolecules</i> , 2016 , 85, 74-81	7.9	25
117	A novel chitosan/sponge chitin origin material as a membrane for supercapacitors Preparation and characterization. <i>RSC Advances</i> , 2016 , 6, 4007-4013	3.7	55
116	Cryosensitivity of Mesenchymal Stromal Cells Cryopreserved Within Marine Sponge <i>Ianthella basta</i> Skeleton-Based Carriers. <i>Problems of Cryobiology and Cryomedicine</i> , 2016 , 26, 13-23	0.4	4
115	Introduction to the Global Scenario of Marine Sponge Research 2016 , 1-23		0
114	Global Constraints, Prospects, and Perspectives of Marine Sponge Research 2016 , 25-35		
113	Biomedical Applications of Marine Sponge Collagens 2016 , 373-381		1
112	<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,	6.3	13

111	Sodium Copper Chlorophyllin Immobilization onto Hippospongia communis Marine Demosponge Skeleton and Its Antibacterial Activity. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	14
110	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. <i>Advanced Functional Materials</i> , 2016 , 26, 2503-2510	15.6	30
109	Marine sponge skeleton photosensitized by copper phthalocyanine: A catalyst for Rhodamine B degradation. <i>Open Chemistry</i> , 2016 , 14, 243-254	1.6	21
108	Marine Invertebrates of Boka Kotorska Bay Unique Sources for Bioinspired Materials Science. <i>Handbook of Environmental Chemistry</i> , 2016 , 313-334	0.8	5
107	Solvothermal synthesis of hydrophobic chitin-polyhedral oligomeric silsesquioxane (POSS) nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 224-9	7.9	34
106	Octacalcium phosphate - a metastable mineral phase controls the evolution of scaffold forming proteins. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5318-5329	7.3	35
105	Extreme biomimetic approach for developing novel chitin-GeO ₂ nanocomposites with photoluminescent properties. <i>Nano Research</i> , 2015 , 8, 2288-2301	10	63
104	Insight into bio-metal interface formation in vacuo: interplay of S-layer protein with copper and iron. <i>Scientific Reports</i> , 2015 , 5, 8710	4.9	14
103	Novel nanostructured hematite/spongin composite developed using an extreme biomimetic approach. <i>RSC Advances</i> , 2015 , 5, 79031-79040	3.7	57
102	Biological Materials of Marine Origin. <i>Biologically-inspired Systems</i> , 2015 ,	0.7	7
101	Chitin-lignin material as a novel matrix for enzyme immobilization. <i>Marine Drugs</i> , 2015 , 13, 2424-46	6	54
100	Poriferan Chitin as a Versatile Template for Extreme Biomimetics. <i>Polymers</i> , 2015 , 7, 235-265	4.5	151
99	Marine Collagens. <i>Biologically-inspired Systems</i> , 2015 , 321-341	0.7	1
98	Biocomposites and Mineralized Tissues. <i>Biologically-inspired Systems</i> , 2015 , 91-210	0.7	0
97	Adsorption of C.I. Natural Red 4 onto Spongin Skeleton of Marine Demosponge. <i>Materials</i> , 2014 , 8, 96-116	11.5	29
96	Chitin and chitosan in selected biomedical applications. <i>Progress in Polymer Science</i> , 2014 , 39, 1644-1667	29.6	645
95	Synthesis of nanostructured chitin/hematite composites under extreme biomimetic conditions. <i>RSC Advances</i> , 2014 , 4, 61743-61752	3.7	49
94	Deposition of silver nanoparticles on organically-modified silica in the presence of lignosulfonate. <i>RSC Advances</i> , 2014 , 4, 52476-52484	3.7	22

93	Silica/lignosulfonate hybrid materials: Preparation and characterization. <i>Open Chemistry</i> , 2014 , 12, 719-735	24
92	Identification of chitin in 200-million-year-old gastropod egg capsules. <i>Paleobiology</i> , 2014 , 40, 529-540	2.6 33
91	Discovery of a living coral reef in the coastal waters of Iraq. <i>Scientific Reports</i> , 2014 , 4, 4250	4.9 20
90	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, 13084-96	4.6 7
89	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	3.4 71
88	Poriferan chitin as a template for hydrothermal zirconia deposition. <i>Frontiers of Materials Science</i> , 2013 , 7, 248-260	2.5 63
87	Brominated skeletal components of the marine demosponges, <i>Aplysina cavernicola</i> and <i>lanthella basta</i> : analytical and biochemical investigations. <i>Marine Drugs</i> , 2013 , 11, 1271-87	6 21
86	An extreme biomimetic approach: hydrothermal synthesis of E-chitin/ZnO nanostructured composites. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6469-6476	7.3 82
85	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	7.9 80
84	Preparation of chitin-silica composites by in vitro silicification of two-dimensional <i>lanthella basta</i> demosponge chitinous scaffolds under modified StBer conditions. <i>Materials Science and Engineering C</i> , 2013 , 33, 3935-41	8.3 61
83	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	2.2 12
82	Chitin-based renewable materials from marine sponges for uranium adsorption. <i>Carbohydrate Polymers</i> , 2013 , 92, 712-8	10.3 70
81	Extreme Biomimetics: formation of zirconium dioxide nanophase using chitinous scaffolds under hydrothermal conditions. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5092-5099	7.3 72
80	First report on chitinous holdfast in sponges (Porifera). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20130339	4.4 36
79	Preparation and Characterization of Multifunctional Chitin/Lignin Materials. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-13	3.2 31
78	PROSPECTS FOR APPLICATION OF Aplysinidae FAMILY MARINE SPONGE SKELETONS AND MESENCHYMAL STROMAL CELLS IN TISSUE ENGINEERING. <i>Biotechnologia Acta</i> , 2013 , 6, 115-121	0.3 5
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