Teofil Jesionowski

List of Publications by Year
in descending order

394 papers	14,418 citations	26630 56 h-index	33894 99 g-index
396 all docs	396 docs citations	396 times ranked	14779 citing authors

#	Article	IF	Citations
1	A contemporary review of enzymatic applications in the remediation of emerging estrogenic compounds. Critical Reviews in Environmental Science and Technology, 2022, 52, 2661-2690.	12.8	17
2	Immobilization of lipase in LangmuirÂâ˜'ÂBlogett film of cubic silsesquioxane on the surface of zirconium dioxide. Applied Surface Science, 2022, 573, 151184.	6.1	3
3	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. Bioresource Technology, 2022, 344, 126201.	9.6	61
4	Naturally prefabricated 3D chitinous skeletal scaffold of marine demosponge origin, biomineralized ex vivo as a functional biomaterial. Carbohydrate Polymers, 2022, 275, 118750.	10.2	12
5	Enhanced removal of vanadium(V) from acidic streams using binary oxide systems of TiO2-ZrO2 and TiO2-ZnO type. Separation and Purification Technology, 2022, 280, 119916.	7.9	10
6	A novel microwave-assisted strategy to fabricate multifunctional photoactive titania-based heterostructures with enhanced activity. Materials Research Bulletin, 2022, 147, 111633.	5.2	6
7	Enzyme-based control of membrane biofouling for water and wastewater purification: A comprehensive review. Environmental Technology and Innovation, 2022, 25, 102106.	6.1	20
8	Removal of tetracycline in enzymatic membrane reactor: Enzymatic conversion as the predominant mechanism over adsorption and membrane rejection. Journal of Environmental Chemical Engineering, 2022, 10, 106973.	6.7	15
9	TiO2/nanocellulose hybrids as functional additives for advanced polypropylene nanocomposites. Industrial Crops and Products, 2022, 176, 114314.	5.2	7
10	Nanobiocatalysts for wastewater remediation and redefining of pollutants. , 2022, , 313-337.		0
11	Portable glucose biosensor based on polynorepinephrine@magnetite nanomaterial integrated with a smartphone analyzer for point-of-care application. Bioelectrochemistry, 2022, 145, 108071.	4.6	25
12	Biocatalytic System Made of 3D Chitin, Silica Nanopowder and Horseradish Peroxidase for the Removal of 17Î±-Ethinylestradiol: Determination of Process Efficiency and Degradation Mechanism. Molecules, 2022, 27, 1354.	3.8	10
13	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II). Molecules, 2022, 27, 1405.	3.8	4
14	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges. Advanced Science, 2022, 9, e2105059.	11.2	15
15	Cladium mariscus Saw-Sedge versus Sawdustâ€"Efficient Biosorbents for Removal of Hazardous Textile Dye C.I. Basic Blue 3 from Aqueous Solutions. Processes, 2022, 10, 586.	2.8	5
16	Glucose determination using amperometric non-enzymatic sensor based on electroactive poly(caffeic) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.6	21
17	Functionalized microspheres with co-participated lignin hybrids as a novel sorbents for toxic C.I. Basic Yellow 2 and C.I. Basic Blue 3 dyes removal from textile sewage. Industrial Crops and Products, 2022, 180, 114785.	5.2	10
18	Enzymatic membrane reactor in xylose bioconversion with simultaneous cofactor regeneration. Bioorganic Chemistry, 2022, 123, 105781.	4.1	3

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19	Bioremoval of estrogens by laccase immobilized onto polyacrylonitrile/polyethersulfone material: Effect of inhibitors and mediators, process characterization and catalytic pathways determination. Journal of Hazardous Materials, 2022, 432, 128688.	12.4	16
20	Removal of Persistent Sulfamethoxazole and Carbamazepine from Water by Horseradish Peroxidase Encapsulated into Poly(Vinyl Chloride) Electrospun Fibers. International Journal of Molecular Sciences, 2022, 23, 272.	4.1	12
21	Design and Microwave-Assisted Synthesis of TiO2-Lanthanides Systems and Evaluation of Photocatalytic Activity under UV-LED Light Irradiation. Catalysts, 2022, 12, 8.	3.5	8
22	Evaluation of MxOy/fucoidan hybrid system and their application in lipase immobilization process. Scientific Reports, 2022, 12, 7218.	3.3	5
23	Synergistic action of laccase treatment and membrane filtration during removal of azo dyes in an enzymatic membrane reactor upgraded with electrospun fibers. Journal of Hazardous Materials, 2022, 435, 129071.	12.4	25
24	A comprehensive review of template-assisted porous carbons: Modern preparation methods and advanced applications. Materials Science and Engineering Reports, 2022, 149, 100682.	31.8	57
25	Ionic liquid-assisted synthesis of chitinâ€“ethylene glycol hydrogels as electrolyte membranes for sustainable electrochemical capacitors. Scientific Reports, 2022, 12, .	3.3	6
26	The philosophy of extreme biomimetics. Sustainable Materials and Technologies, 2022, 32, e00447.	3.3	5
27	Effect of Electrode Modification with Chitosan and NafionÂ® on the Efficiency of Real-Time Enzyme Glucose Biosensors Based on ZnO Tetrapods. Materials, 2022, 15, 4672.	2.9	7
28	Immobilized Lipase in Resolution of Ketoprofen Enantiomers: Examination of Biocatalysts Properties and Process Characterization. Pharmaceutics, 2022, 14, 1443.	4.5	4
29	Horseradish peroxidase immobilised onto electrospun fibres and its application in decolourisation of dyes from model sea water. Process Biochemistry, 2021, 102, 10-21.	3.7	32
30	Hemolymph of molluscan origin: from biochemistry to modern biomaterials science. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	18
31	Inorganic, Hybrid and Functional Pigments. , 2021, , 1-27.		1
32	Sensing Materials: Biopolymeric Nanostructures. , 2021, , .		0
33	Valorizing agricultural residues as biorefinery feedstocks: current advancements and challenges. , 2021, , 25-48.		0
34	Electrospun biosystems made of nylon 6 and laccase and its application in dyes removal. Environmental Technology and Innovation, 2021, 21, 101332.	6.1	18
35	Are Biogenic and Pyrogenic Mesoporous SiO2 Nanoparticles Safe for Normal Cells?. Molecules, 2021, 26, 1427.	3.8	5
36	Enhanced Wastewater Treatment by Immobilized Enzymes. Current Pollution Reports, 2021, 7, 167-179.	6.6	51

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37	The Role of Inorganic-Organic Bio-Fillers Containing Kraft Lignin in Improvement in Functional Properties of Polyethylene. Materials, 2021, 14, 2114.	2.9	10
38	Synthesis, characterization and aging tests of functional rigid polymeric biocomposites with kraft lignin. International Journal of Biological Macromolecules, 2021, 178, 344-353.	7.5	13
39	Pristine and Poly(Dimethylsiloxane) Modified Multi-Walled Carbon Nanotubes as Supports for Lipase Immobilization. Materials, 2021, 14, 2874.	2.9	8
40	Thermal decomposition behaviour and numerical fitting for the pyrolysis kinetics of 3D spongin-based scaffolds. The classic approach. Polymer Testing, 2021, 97, 107148.	4.8	15
41	Naturally Formed Chitinous Skeleton Isolated from the Marine Demosponge Aplysina fistularis as a 3D Scaffold for Tissue Engineering. Materials, 2021, 14, 2992.	2.9	17
42	Novel highly efficient ionic liquid-functionalized silica for toxic metals removal. Separation and Purification Technology, 2021, 265, 118483.	7.9	13
43	Functionalized Materials as a Versatile Platform for Enzyme Immobilization in Wastewater Treatment. Current Pollution Reports, 2021, 7, 263-276.	6.6	13
44	New Biocomposite Electrospun Fiber/Alginate Hydrogel for Probiotic Bacteria Immobilization. Materials, 2021, 14, 3861.	2.9	12
45	Polymer Composites Based on Polycarbonate (PC) Applied to Additive Manufacturing Using Melted and Extruded Manufacturing (MEM) Technology. Polymers, 2021, 13, 2455.	4.5	17
46	Controlled microwave-assisted and pH-affected growth of ZnO structures and their photocatalytic performance. Powder Technology, 2021, 386, 221-235.	4.2	22
47	Forced Biomineralization: A Review. Biomimetics, 2021, 6, 46.	3.3	37
48	Three-dimensional commercial-sponge-derived Co3O4@C catalysts for effective treatments of organic contaminants. Journal of Environmental Chemical Engineering, 2021, 9, 105631.	6.7	10
49	Sustainable design of lignin-based spherical particles with the use of green surfactants and its application as sorbents in wastewater treatment. Chemical Engineering Research and Design, 2021, 172, 34-42.	5.6	3
50	Design and fabrication of low potential NADH-sensor based on poly(caffeic acid)@multi-walled carbon nanotubes. Electrochimica Acta, 2021, 386, 138384.	5.2	20
51	From core-shell like structured zirconia/magnetite hybrid towards novel biocatalytic systems for tetracycline removal: Synthesis, enzyme immobilization, degradation and toxicity study. Journal of Environmental Chemical Engineering, 2021, 9, 105701.	6.7	18
52	Development of functional lignin-based spherical particles for the removal of vanadium(V) from an aqueous system. International Journal of Biological Macromolecules, 2021, 186, 181-193.	7.5	9
53	Tailor-made novel electrospun polystyrene/poly(d,l-lactide-co-glycolide) for oxidoreductases immobilization: Improvement of catalytic properties under extreme reaction conditions. Bioorganic Chemistry, 2021, 114, 105036.	4.1	18
54	Synthesis of Selected Mixed Oxide Materials with Tailored Photocatalytic Activity in the Degradation of Tetracycline. Materials, 2021, 14, 5361.	2.9	10

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55	The role of lignin and lignin-based materials in sustainable construction â€“ A comprehensive review. International Journal of Biological Macromolecules, 2021, 187, 624-650.	7.5	192
56	Biomimetic magnetite/polydopamine/Î²-cyclodextrins nanocomposite for long-term glucose measurements. Biochemical Engineering Journal, 2021, 174, 108127.	3.6	19
57	Significance of the presence of antibiotics on the microbial consortium in wastewater â€“ The case of nitrofurantoin and furazolidone. Bioresource Technology, 2021, 339, 125577.	9.6	5
58	Modification of structured bioâ€‘carbon derived from spongin-based scaffolds with nickel compounds to produce a functional catalyst for reduction and oxidation reactions: Potential for use in environmental protection. Science of the Total Environment, 2021, 794, 148692.	8.0	9
59	Measurements of working parameters of external mediators for biodetectors based on the polydopamine@magnetite nanoparticles. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109950.	5.0	4
60	Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. Applied Surface Science, 2021, 565, 150542.	6.1	40
61	Production of antibacterial cement composites containing ZnO/lignin and ZnOâ€“SiO2/lignin hybrid admixtures. Cement and Concrete Composites, 2021, 124, 104250.	10.7	38
62	Promotion of direct interspecies electron transfer and potential impact of conductive materials in anaerobic digestion and its downstream processing - a critical review. Bioresource Technology, 2021, 341, 125847.	9.6	29
63	Catalytic and Physicochemical Evaluation of a TiO2/ZnO/Laccase Biocatalytic System: Application in the Decolorization of Azo and Anthraquinone Dyes. Materials, 2021, 14, 6030.	2.9	5
64	The TiO2-ZnO Systems with Multifunctional Applications in Photoactive Processesâ€”Efficient Photocatalyst under UV-LED Light and Electrode Materials in DSSCs. Materials, 2021, 14, 6063.	2.9	10
65	A comprehensive method for tetracycline removal using lanthanum-enriched titaniaâ€“zirconia oxide system with tailored physicochemical properties. Environmental Technology and Innovation, 2021, 24, 102016.	6.1	16
66	BIOKATALIZATORY I BIOPOLIMERY W ASPEKCIE ZRÃ“WNOWAÅ»ONEJ CHEMII. WiadomoÅ›ci Chemiczne, 2021, 75, 1242-1267.	0.0	0
67	The new functional filler TiO2-SiO2/polyhedral oligomeric hybrid silsesquioxane as a potential modifier of polyethylene. Polimery, 2021, 66, 602-610.	0.7	2
68	A promising laccase immobilization using electrospun materials for biocatalytic degradation of tetracycline: Effect of process conditions and catalytic pathways. Catalysis Today, 2020, 348, 127-136.	4.4	76
69	Mesostructured cellular foam silica materials for laccase immobilization and tetracycline removal: A comprehensive study. Microporous and Mesoporous Materials, 2020, 291, 109688.	4.4	21
70	Recent developments in modification of lignin using ionic liquids for the fabrication of advanced materialsâ€“A review. Journal of Molecular Liquids, 2020, 301, 112417.	4.9	74
71	A highly effective approach to cofactor regeneration and subsequent membrane separation of bioconversion products: Kinetic parameters and effect of process conditions. Bioresource Technology Reports, 2020, 9, 100365.	2.7	2
72	The performance of multicomponent oxide systems based on TiO2, ZrO2 and SiO2 in the photocatalytic degradation of Rhodamine B: Mechanism and kinetic studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124272.	4.7	42

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73	The response surface methodology for optimization of tyrosinase immobilization onto electrospun polycaprolactoneâ€“chitosan fibers for use in bisphenol A removal. International Journal of Biological Macromolecules, 2020, 165, 2049-2059.	7.5	26
74	Evaluation of the physico-chemical properties of hydrocarbons-exposed bacterial biomass. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111310.	5.0	3
75	Lignin-based dual component additives as effective electrode material for energy management systems. International Journal of Biological Macromolecules, 2020, 165, 268-278.	7.5	4
76	Synthesis and Characterization of Low-Cost Cresol-Based Benzoxazine Resins as Potential Binders in Abrasive Composites. Materials, 2020, 13, 2995.	2.9	7
77	Lanthanum enriched TiO2-ZrO2 hybrid material with tailored physicochemical properties dedicated to separation of lithium and cobalt(II) raising from the hydrometallurgical stage of the recycling process of lithium-ion batteries. Hydrometallurgy, 2020, 197, 105448.	4.3	5
78	Lignin-Based Spherical Structures and Their Use for Improvement of Cilazapril Stability in Solid State. Molecules, 2020, 25, 3150.	3.8	7
79	Magnetite Nanoparticles and Spheres for Chemo- and Photothermal Therapy of Hepatocellular Carcinoma in vitro . International Journal of Nanomedicine, 2020, Volume 15, 7923-7936.	6.7	34
80	Comprehensive study of stability of copper oxide nanoparticles in complex biological media. Journal of Molecular Liquids, 2020, 319, 114086.	4.9	8
81	Chitin of Araneae origin: structural features and biomimetic applications: a review. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	10
82	A Novel Cysteine-Functionalized MxOy Material as Support for Laccase Immobilization and a Potential Application in Decolorization of Alizarin Red S. Processes, 2020, 8, 885.	2.8	5
83	Antimicrobial Activity and Barrier Properties against UV Radiation of Alkaline and Enzymatically Treated Linen Woven Fabrics Coated with Inorganic Hybrid Material. Molecules, 2020, 25, 5701.	3.8	7
84	Hydrothermally Assisted Fabrication of TiO2-Fe3O4 Composite Materials and Their Antibacterial Activity. Materials, 2020, 13, 4715.	2.9	12
85	Synthesis of Titanium Dioxide via Surfactant-Assisted Microwave Method for Photocatalytic and Dye-Sensitized Solar Cells Applications. Catalysts, 2020, 10, 586.	3.5	26
86	Functionalization of 3D Chitinous Skeletal Scaffolds of Sponge Origin Using Silver Nanoparticles and Their Antibacterial Properties. Marine Drugs, 2020, 18, 304.	4.6	12
87	The effect of lignin-alumina hybrid additive on the properties of composition used in abrasive tools. International Journal of Biological Macromolecules, 2020, 161, 531-538.	7.5	6
88	Crystallization of TiO2-MoS2 Hybrid Material under Hydrothermal Treatment and Its Electrochemical Performance. Materials, 2020, 13, 2706.	2.9	8
89	Influence of MgO-Lignin Dual Component Additives on Selected Properties of Low Density Polyethylene. Polymers, 2020, 12, 1156.	4.5	9
90	Laccase from Trametes versicolor supported onto mesoporous Al2O3: Stability tests and evaluations of catalytic activity. Process Biochemistry, 2020, 95, 71-80.	3.7	20

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91	Electrospun poly(methyl methacrylate)/polyaniline fibres as a support for laccase immobilisation and use in dye decolourisation. Environmental Research, 2020, 184, 109332.	7.5	78
92	Highly Crystalline TiO2-MoO3 Composite Materials Synthesized via a Template-Assisted Microwave Method for Electrochemical Application. Crystals, 2020, 10, 493.	2.2	18
93	Biosignatures in Subsurface Filamentous Fabrics (SFF) from the Deccan Volcanic Province, India. Minerals (Basel, Switzerland), 2020, 10, 540.	2.0	7
94	A Novel Approach in Crude Enzyme Laccase Production and Application in Emerging Contaminant Bioremediation. Processes, 2020, 8, 648.	2.8	17
95	Identification and first insights into the structure of chitin from the endemic freshwater demosponge Ochridaspongia rotunda (Arndt, 1937). International Journal of Biological Macromolecules, 2020, 162, 1187-1194.	7.5	9
96	In vivo biomimetic calcification of selected organic scaffolds using snail shell regeneration: a new methodological approach. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	7
97	Functional MgOâ€“Lignin Hybrids and Their Application as Fillers for Polypropylene Composites. Molecules, 2020, 25, 864.	3.8	14
98	3D Chitin Scaffolds of Marine Demosponge Origin for Biomimetic Mollusk Hemolymph-Associated Biomineralization Ex-Vivo. Marine Drugs, 2020, 18, 123.	4.6	36
99	MgO-Lignin Dual Phase Filler as an Effective Modifier of Polyethylene Film Properties. Materials, 2020, 13, 809.	2.9	17
100	Naturally pre-designed biomaterials: Spider molting cuticle as a functional crude oil sorbent. Journal of Environmental Management, 2020, 261, 110218.	7.8	13
101	Electrochemical method for isolation of chitinous 3D scaffolds from cultivated Aplysina aerophoba marine demosponge and its biomimetic application. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	19
102	3D Chitin Scaffolds from the Marine Demosponge Aplysina archeri as a Support for Laccase Immobilization and Its Use in the Removal of Pharmaceuticals. Biomolecules, 2020, 10, 646.	4.0	25
103	Microwave-assisted synthesis of a TiO2-CuO heterojunction with enhanced photocatalytic activity against tetracycline. Applied Surface Science, 2020, 520, 146344.	6.1	106
104	Engineering of Immobilized Enzymes: pH, Thermal Stability and Kinetic Aspects. , 2020, , 161-170.		1
105	Recent advances in the fabrication and application of biopolymer-based micro- and nanostructures: A comprehensive review. Chemical Engineering Journal, 2020, 397, 125409.	12.7	80
106	Biopolymer-Based Hybrids as Effective Admixtures for Cement Composites. Polymers, 2020, 12, 1180.	4.5	9
107	Application of Enzymatic-Based Bioreactors. , 2020, , 110-121.		2
108	Spherical Particle Technology and Engineering: Fabrication and Practical Utility. , 2020, , 430-440.		0

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109	Three chlorotoluene-degrading bacterial strains: Differences in biodegradation potential and cell surface properties. Chemosphere, 2019, 237, 124452.	8.2	5
110	Investigation of the synergic effect of silver on the photodegradation behavior ofÂcopper chromite nanostructures. Journal of Materials Science: Materials in Electronics, 2019, 30, 13994-14006.	2.2	6
111	Co-Immobilization of Glucose Dehydrogenase and Xylose Dehydrogenase as a New Approach for Simultaneous Production of Gluconic and Xylonic Acid. Materials, 2019, 12, 3167.	2.9	12
112	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from Caribena versicolor Spider Molt Cuticle. Molecules, 2019, 24, 3736.	3.8	35
113	Preparation and characterization of polypropylene composites reinforced by functional ZnO/lignin hybrid materials. Polymer Testing, 2019, 79, 106058.	4.8	38
114	Lignin-Based Hybrid Admixtures and their Role in Cement Composite Fabrication. Molecules, 2019, 24, 3544.	3.8	23
115	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. Science Advances, 2019, 5, eaax2805.	10.3	53
116	Spider Chitin. The biomimetic potential and applications of Caribena versicolor tubular chitin. Carbohydrate Polymers, 2019, 226, 115301.	10.2	33
117	Synthesis of highly crystalline photocatalysts based on TiO2 and ZnO for the degradation of organic impurities under visible-light irradiation. Adsorption, 2019, 25, 309-325.	3.0	43
118	Multi-faceted strategy based on enzyme immobilization with reactant adsorption and membrane technology for biocatalytic removal of pollutants: A critical review. Biotechnology Advances, 2019, 37, 107401.	11.7	130
119	Effect of Gd3+-, Pr3+- or Sm3+-substituted cobaltâ€“zinc ferrite on photodegradation of methyl orange and cytotoxicity tests. Journal of Rare Earths, 2019, 37, 1288-1295.	4.8	71
120	Hydrothermal-assisted synthesis of highly crystalline titaniaâ€“copper oxide binary systems with enhanced antibacterial properties. Materials Science and Engineering C, 2019, 104, 109839.	7.3	14
121	Effect of processing conditions and functional silica/lignin content on the properties of bio-based composite thin sheet films. Polymer Testing, 2019, 77, 105911.	4.8	22
122	Robust biodegradation of naproxen and diclofenac by laccase immobilized using electrospun nanofibers with enhanced stability and reusability. Materials Science and Engineering C, 2019, 103, 109789.	7.3	81
123	Supercritical fluid extraction of essential oils. TrAC - Trends in Analytical Chemistry, 2019, 118, 182-193.	11.4	143
124	A novel biocatalytic system obtained via immobilization of aminoacylase onto solâ€“gel derived ZrO2Â·SiO2 binary oxide material: physicochemical characteristic and catalytic activity study. Adsorption, 2019, 25, 855-864.	3.0	7
125	A nanocomposite consisting of reduced graphene oxide and electropolymerized Î²-cyclodextrin for voltammetric sensing of levofloxacin. Mikrochimica Acta, 2019, 186, 438.	5.0	37
126	Laccase Immobilized onto Zirconiaâ€“Silica Hybrid Doped with Cu2+ as an Effective Biocatalytic System for Decolorization of Dyes. Materials, 2019, 12, 1252.	2.9	33

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127	The role of novel lignosulfonate-based sorbent in a sorption mechanism of active pharmaceutical ingredient: batch adsorption tests and interaction study. Adsorption, 2019, 25, 865-880.	3.0	16
128	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from Aplysina archeri (Aplysineidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.6	65
129	Bio-inspired magnetite/lignin/polydopamine-glucose oxidase biosensing nanoplatform. From synthesis, via sensing assays to comparison with others glucose testing techniques. International Journal of Biological Macromolecules, 2019, 127, 677-682.	7.5	49
130	Bioconversion of xylose to xylonic acid via co-immobilized dehydrogenases for conjunct cofactor regeneration. Bioorganic Chemistry, 2019, 93, 102747.	4.1	15
131	New Source of 3D Chitin Scaffolds: The Red Sea Demosponge Pseudoceratina arabica (Pseudoceratinidae, Verongiida). Marine Drugs, 2019, 17, 92.	4.6	36
132	Functional titaniaâ€“silica/chlorophyllin hybrids: design, fabrication, comprehensive physicochemical characteristic and photocatalytic test. Adsorption, 2019, 25, 485-499.	3.0	8
133	Advanced Ga2O3/Lignin and ZrO2/Lignin Hybrid Microplatforms for Glucose Oxidase Immobilization: Evaluation of Biosensing Properties by Catalytic Glucose Oxidation. Catalysts, 2019, 9, 1044.	3.5	18
134	Hydrothermal synthesis of multifunctional TiO2-ZnO oxide systems with desired antibacterial and photocatalytic properties. Applied Surface Science, 2019, 463, 791-801.	6.1	64
135	The controlled oxidation of kraft lignin in mild conditions using ionic liquid as a crucial point in fabrication of antibacterial hybrid materials. Journal of Molecular Liquids, 2019, 274, 370-378.	4.9	18
136	A high-density polyethylene container based on ZnO/lignin dual fillers with potential antimicrobial activity. Polymer Testing, 2019, 73, 51-59.	4.8	38
137	A theoretical study of two novel Schiff bases as inhibitors of carbon steel corrosion in acidic medium. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	25
138	Dendrimer based theranostic nanostructures for combined chemo- and photothermal therapy of liver cancer cells in vitro. Colloids and Surfaces B: Biointerfaces, 2019, 173, 698-708.	5.0	78
139	Kraft lignin/cubic boron nitride hybrid materials as functional components for abrasive tools. International Journal of Biological Macromolecules, 2019, 122, 88-94.	7.5	14
140	Synthesis and characterization of MnWO4/TmVO4 ternary nano-hybrids by an ultrasonic method for enhanced photocatalytic activity in the degradation of organic dyes. Materials Letters, 2019, 238, 159-162.	2.6	80
141	A Comparative Computational Investigation of Phosgene Adsorption on (XY)12 (Xâ€‰=â€‰Al, B and Yâ€‰=â€‰N, P) Nanoclusters: DFT Investigations. Journal of Cluster Science, 2019, 30, 203-218.	3.3	34
142	Removal of nickel(II) and lead(II) ions from aqueous solution using peat as a low-cost adsorbent: A kinetic and equilibrium study. Arabian Journal of Chemistry, 2018, 11, 1209-1222.	4.9	129
143	The development of zirconia/silica hybrids for the adsorption and controlled release of active pharmaceutical ingredients. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 545, 39-50.	4.7	19
144	Investigation of amino-grafted TiO2/reduced graphene oxide hybrids as a novel photocatalyst used for decomposition of selected organic dyes. Journal of Environmental Management, 2018, 212, 395-404.	7.8	31

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145	Development of Acidic Imidazolium Ionic Liquids for Activation of Kraft Lignin by Controlled Oxidation: Comprehensive Evaluation and Practical Utility. ChemPlusChem, 2018, 83, 361-374.	2.8	17
146	A comparison of protic and aprotic ionic liquids as effective activating agents of kraft lignin. Developing functional MnO 2 /lignin hybrid materials. Journal of Molecular Liquids, 2018, 261, 456-467.	4.9	23
147	The demosponge Pseudoceratina purpurea as a new source of fibrous chitin. International Journal of Biological Macromolecules, 2018, 112, 1021-1028.	7.5	31
148	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.	0.6	0
149	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.	12.4	55
150	Physicochemical and catalytic properties of acylase I from aspergillus melleus immobilized on aminoâ€•and carbonylâ€grafted stÃ¶ber silica. Biotechnology Progress, 2018, 34, 767-777.	2.6	12
151	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.	10.4	51
152	The effect of operational parameters on the biodegradation of bisphenols by Trametes versicolor laccase immobilized on Hippospongia communis spongin scaffolds. Science of the Total Environment, 2018, 615, 784-795.	8.0	143
153	Carbon paste electrode based on functional GOx/silica-lignin system to prepare an amperometric glucose biosensor. Sensors and Actuators B: Chemical, 2018, 256, 176-185.	7.8	112
154	Comprehensive characteristic and potential application of POSS-coated MgO-SiO2 binary oxide system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 557-565.	4.7	7
155	Removal of hazardous non-steroidal anti-inflammatory drugs from aqueous solutions by biosorbent based on chitin and lignin. Science of the Total Environment, 2018, 612, 1223-1233.	8.0	43
156	Titania/lignin hybrid materials as a novel support for Î±-amylase immobilization: A comprehensive study. Colloids and Surfaces B: Biointerfaces, 2018, 162, 90-97.	5.0	47
157	Thermal and Mechanical Properties of Silicaâ€“Lignin/Polylactide Composites Subjected to Biodegradation. Materials, 2018, 11, 2257.	2.9	23
158	Titania-Based Hybrid Materials with ZnO, ZrO2 and MoS2: A Review. Materials, 2018, 11, 2295.	2.9	49
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