

Teofil Jesionowski

List of Publications by Year in descending order

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394
papers

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citations

30551

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396
all docs

396
docs citations

396
times ranked

16318
citing authors

#	ARTICLE	IF	CITATIONS
1	A contemporary review of enzymatic applications in the remediation of emerging estrogenic compounds. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2661-2690.	6.6	17
2	Immobilization of lipase in Langmuir-Blodgett film of cubic silsesquioxane on the surface of zirconium dioxide. <i>Applied Surface Science</i> , 2022, 573, 151184.	3.1	3
3	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , 2022, 344, 126201.	4.8	61
4	Naturally prefabricated 3D chitinous skeletal scaffold of marine demosponge origin, biomineralized ex vivo as a functional biomaterial. <i>Carbohydrate Polymers</i> , 2022, 275, 118750.	5.1	12
5	Enhanced removal of vanadium(V) from acidic streams using binary oxide systems of TiO ₂ -ZrO ₂ and TiO ₂ -ZnO type. <i>Separation and Purification Technology</i> , 2022, 280, 119916.	3.9	10
6	A novel microwave-assisted strategy to fabricate multifunctional photoactive titania-based heterostructures with enhanced activity. <i>Materials Research Bulletin</i> , 2022, 147, 111633.	2.7	6
7	Enzyme-based control of membrane biofouling for water and wastewater purification: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2022, 25, 102106.	3.0	20
8	Removal of tetracycline in enzymatic membrane reactor: Enzymatic conversion as the predominant mechanism over adsorption and membrane rejection. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106973.	3.3	15
9	TiO ₂ /nanocellulose hybrids as functional additives for advanced polypropylene nanocomposites. <i>Industrial Crops and Products</i> , 2022, 176, 114314.	2.5	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. <i>Bioelectrochemistry</i> , 2022, 145, 108071.	2.4	25
12	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
13	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II). <i>Molecules</i> , 2022, 27, 1405.	1.7	4
14	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges. <i>Advanced Science</i> , 2022, 9, e2105059.	5.6	15
15	<i>Cladium mariscus</i> Saw-Sedge versus Sawdust – Efficient Biosorbents for Removal of Hazardous Textile Dye C.I. Basic Blue 3 from Aqueous Solutions. <i>Processes</i> , 2022, 10, 586.	1.3	5
16	Glucose determination using amperometric non-enzymatic sensor based on electroactive poly(caffeic) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	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. <i>Industrial Crops and Products</i> , 2022, 180, 114785.	2.5	10
18	Enzymatic membrane reactor in xylose bioconversion with simultaneous cofactor regeneration. <i>Bioorganic Chemistry</i> , 2022, 123, 105781.	2.0	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. <i>Journal of Hazardous Materials</i> , 2022, 432, 128688.	6.5	16
20	Removal of Persistent Sulfamethoxazole and Carbamazepine from Water by Horseradish Peroxidase Encapsulated into Poly(Vinyl Chloride) Electrospun Fibers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 272.	1.8	12
21	Design and Microwave-Assisted Synthesis of TiO ₂ -Lanthanides Systems and Evaluation of Photocatalytic Activity under UV-LED Light Irradiation. <i>Catalysts</i> , 2022, 12, 8.	1.6	8
22	Evaluation of MxO _y /fucoidan hybrid system and their application in lipase immobilization process. <i>Scientific Reports</i> , 2022, 12, 7218.	1.6	5
23	Synergistic action of laccase treatment and membrane filtration during removal of azo dyes in an enzymatic membrane reactor upgraded with electrospun fibers. <i>Journal of Hazardous Materials</i> , 2022, 435, 129071.	6.5	25
24	A comprehensive review of template-assisted porous carbons: Modern preparation methods and advanced applications. <i>Materials Science and Engineering Reports</i> , 2022, 149, 100682.	14.8	57
25	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
26	The philosophy of extreme biomimetics. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00447.	1.7	5
27	Effect of Electrode Modification with Chitosan and Nafion [®] on the Efficiency of Real-Time Enzyme Glucose Biosensors Based on ZnO Tetrapods. <i>Materials</i> , 2022, 15, 4672.	1.3	7
28	Immobilized Lipase in Resolution of Ketoprofen Enantiomers: Examination of Biocatalysts Properties and Process Characterization. <i>Pharmaceutics</i> , 2022, 14, 1443.	2.0	4
29	Horseradish peroxidase immobilised onto electrospun fibres and its application in decolourisation of dyes from model sea water. <i>Process Biochemistry</i> , 2021, 102, 10-21.	1.8	32
30	Hemolymph of molluscan origin: from biochemistry to modern biomaterials science. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	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. <i>Environmental Technology and Innovation</i> , 2021, 21, 101332.	3.0	18
35	Are Biogenic and Pyrogenic Mesoporous SiO ₂ Nanoparticles Safe for Normal Cells?. <i>Molecules</i> , 2021, 26, 1427.	1.7	5
36	Enhanced Wastewater Treatment by Immobilized Enzymes. <i>Current Pollution Reports</i> , 2021, 7, 167-179.	3.1	51

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37	The Role of Inorganic-Organic Bio-Fillers Containing Kraft Lignin in Improvement in Functional Properties of Polyethylene. <i>Materials</i> , 2021, 14, 2114.	1.3	10
38	Synthesis, characterization and aging tests of functional rigid polymeric biocomposites with kraft lignin. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 344-353.	3.6	13
39	Pristine and Poly(Dimethylsiloxane) Modified Multi-Walled Carbon Nanotubes as Supports for Lipase Immobilization. <i>Materials</i> , 2021, 14, 2874.	1.3	8
40	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
41	Naturally Formed Chitinous Skeleton Isolated from the Marine Demosponge <i>Aplysina fistularis</i> as a 3D Scaffold for Tissue Engineering. <i>Materials</i> , 2021, 14, 2992.	1.3	17
42	Novel highly efficient ionic liquid-functionalized silica for toxic metals removal. <i>Separation and Purification Technology</i> , 2021, 265, 118483.	3.9	13
43	Functionalized Materials as a Versatile Platform for Enzyme Immobilization in Wastewater Treatment. <i>Current Pollution Reports</i> , 2021, 7, 263-276.	3.1	13
44	New Biocomposite Electrospun Fiber/Alginate Hydrogel for Probiotic Bacteria Immobilization. <i>Materials</i> , 2021, 14, 3861.	1.3	12
45	Polymer Composites Based on Polycarbonate (PC) Applied to Additive Manufacturing Using Melted and Extruded Manufacturing (MEM) Technology. <i>Polymers</i> , 2021, 13, 2455.	2.0	17
46	Controlled microwave-assisted and pH-affected growth of ZnO structures and their photocatalytic performance. <i>Powder Technology</i> , 2021, 386, 221-235.	2.1	22
47	Forced Biomineralization: A Review. <i>Biomimetics</i> , 2021, 6, 46.	1.5	37
48	Three-dimensional commercial-sponge-derived Co ₃ O ₄ @C catalysts for effective treatments of organic contaminants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105631.	3.3	10
49	Sustainable design of lignin-based spherical particles with the use of green surfactants and its application as sorbents in wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2021, 172, 34-42.	2.7	3
50	Design and fabrication of low potential NADH-sensor based on poly(caffeic acid)@multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2021, 386, 138384.	2.6	20
51	From core-shell like structured zirconia/magnetite hybrid towards novel biocatalytic systems for tetracycline removal: Synthesis, enzyme immobilization, degradation and toxicity study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105701.	3.3	18
52	Development of functional lignin-based spherical particles for the removal of vanadium(V) from an aqueous system. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 181-193.	3.6	9
53	Tailor-made novel electrospun polystyrene/poly(d,l-lactide-co-glycolide) for oxidoreductases immobilization: Improvement of catalytic properties under extreme reaction conditions. <i>Bioorganic Chemistry</i> , 2021, 114, 105036.	2.0	18
54	Synthesis of Selected Mixed Oxide Materials with Tailored Photocatalytic Activity in the Degradation of Tetracycline. <i>Materials</i> , 2021, 14, 5361.	1.3	10

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55	The role of lignin and lignin-based materials in sustainable construction – A comprehensive review. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 624-650.	3.6	192
56	Biomimetic magnetite/polydopamine/ β -cyclodextrins nanocomposite for long-term glucose measurements. <i>Biochemical Engineering Journal</i> , 2021, 174, 108127.	1.8	19
57	Significance of the presence of antibiotics on the microbial consortium in wastewater – The case of nitrofurantoin and furazolidone. <i>Bioresource Technology</i> , 2021, 339, 125577.	4.8	5
58	Modification of structured bio-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. <i>Science of the Total Environment</i> , 2021, 794, 148692.	3.9	9
59	Measurements of working parameters of external mediators for biodetectors based on the polydopamine@magnetite nanoparticles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 184, 109950.	2.5	4
60	Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. <i>Applied Surface Science</i> , 2021, 565, 150542.	3.1	40
61	Production of antibacterial cement composites containing ZnO/lignin and ZnO-SiO ₂ /lignin hybrid admixtures. <i>Cement and Concrete Composites</i> , 2021, 124, 104250.	4.6	38
62	Promotion of direct interspecies electron transfer and potential impact of conductive materials in anaerobic digestion and its downstream processing - a critical review. <i>Bioresource Technology</i> , 2021, 341, 125847.	4.8	29
63	Catalytic and Physicochemical Evaluation of a TiO ₂ /ZnO/Laccase Biocatalytic System: Application in the Decolorization of Azo and Anthraquinone Dyes. <i>Materials</i> , 2021, 14, 6030.	1.3	5
64	The TiO ₂ -ZnO Systems with Multifunctional Applications in Photoactive Processes – Efficient Photocatalyst under UV-LED Light and Electrode Materials in DSSCs. <i>Materials</i> , 2021, 14, 6063.	1.3	10
65	A comprehensive method for tetracycline removal using lanthanum-enriched titania-zirconia oxide system with tailored physicochemical properties. <i>Environmental Technology and Innovation</i> , 2021, 24, 102016.	3.0	16
66	BIOKATALIZATORY I BIOPOLIMERY W ASPEKCIE ZRÓWNOWAŻONEJ CHEMII. <i>Wiadomości Chemiczne</i> , 2021, 75, 1242-1267.	0.0	0
67	The new functional filler TiO ₂ -SiO ₂ /polyhedral oligomeric hybrid silsesquioxane as a potential modifier of polyethylene. <i>Polimery</i> , 2021, 66, 602-610.	0.4	2
68	A promising laccase immobilization using electrospun materials for biocatalytic degradation of tetracycline: Effect of process conditions and catalytic pathways. <i>Catalysis Today</i> , 2020, 348, 127-136.	2.2	76
69	Mesostructured cellular foam silica materials for laccase immobilization and tetracycline removal: A comprehensive study. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109688.	2.2	21
70	Recent developments in modification of lignin using ionic liquids for the fabrication of advanced materials – A review. <i>Journal of Molecular Liquids</i> , 2020, 301, 112417.	2.3	74
71	A highly effective approach to cofactor regeneration and subsequent membrane separation of bioconversion products: Kinetic parameters and effect of process conditions. <i>Bioresource Technology Reports</i> , 2020, 9, 100365.	1.5	2
72	The performance of multicomponent oxide systems based on TiO ₂ , ZrO ₂ and SiO ₂ in the photocatalytic degradation of Rhodamine B: Mechanism and kinetic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124272.	2.3	42

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73	The response surface methodology for optimization of tyrosinase immobilization onto electrospun polycaprolactone-chitosan fibers for use in bisphenol A removal. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2049-2059.	3.6	26
74	Evaluation of the physico-chemical properties of hydrocarbons-exposed bacterial biomass. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111310.	2.5	3
75	Lignin-based dual component additives as effective electrode material for energy management systems. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 268-278.	3.6	4
76	Synthesis and Characterization of Low-Cost Cresol-Based Benzoxazine Resins as Potential Binders in Abrasive Composites. <i>Materials</i> , 2020, 13, 2995.	1.3	7
77	Lanthanum enriched TiO ₂ -ZrO ₂ 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. <i>Hydrometallurgy</i> , 2020, 197, 105448.	1.8	5
78	Lignin-Based Spherical Structures and Their Use for Improvement of Cilazapril Stability in Solid State. <i>Molecules</i> , 2020, 25, 3150.	1.7	7
79	<p>Magnetite Nanoparticles and Spheres for Chemo- and Photothermal Therapy of Hepatocellular Carcinoma in vitro</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7923-7936.	3.3	34
80	Comprehensive study of stability of copper oxide nanoparticles in complex biological media. <i>Journal of Molecular Liquids</i> , 2020, 319, 114086.	2.3	8
81	Chitin of Araneae origin: structural features and biomimetic applications: a review. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	10
82	A Novel Cysteine-Functionalized MxOy Material as Support for Laccase Immobilization and a Potential Application in Decolorization of Alizarin Red S. <i>Processes</i> , 2020, 8, 885.	1.3	5
83	Antimicrobial Activity and Barrier Properties against UV Radiation of Alkaline and Enzymatically Treated Linen Woven Fabrics Coated with Inorganic Hybrid Material. <i>Molecules</i> , 2020, 25, 5701.	1.7	7
84	Hydrothermally Assisted Fabrication of TiO ₂ -Fe ₃ O ₄ Composite Materials and Their Antibacterial Activity. <i>Materials</i> , 2020, 13, 4715.	1.3	12
85	Synthesis of Titanium Dioxide via Surfactant-Assisted Microwave Method for Photocatalytic and Dye-Sensitized Solar Cells Applications. <i>Catalysts</i> , 2020, 10, 586.	1.6	26
86	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
87	The effect of lignin-alumina hybrid additive on the properties of composition used in abrasive tools. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 531-538.	3.6	6
88	Crystallization of TiO ₂ -MoS ₂ Hybrid Material under Hydrothermal Treatment and Its Electrochemical Performance. <i>Materials</i> , 2020, 13, 2706.	1.3	8
89	Influence of MgO-Lignin Dual Component Additives on Selected Properties of Low Density Polyethylene. <i>Polymers</i> , 2020, 12, 1156.	2.0	9
90	Laccase from <i>Trametes versicolor</i> supported onto mesoporous Al ₂ O ₃ : Stability tests and evaluations of catalytic activity. <i>Process Biochemistry</i> , 2020, 95, 71-80.	1.8	20

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91	Electrospun poly(methyl methacrylate)/polyaniline fibres as a support for laccase immobilisation and use in dye decolourisation. <i>Environmental Research</i> , 2020, 184, 109332.	3.7	78
92	Highly Crystalline TiO ₂ -MoO ₃ Composite Materials Synthesized via a Template-Assisted Microwave Method for Electrochemical Application. <i>Crystals</i> , 2020, 10, 493.	1.0	18
93	Biosignatures in Subsurface Filamentous Fabrics (SFF) from the Deccan Volcanic Province, India. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 540.	0.8	7
94	A Novel Approach in Crude Enzyme Laccase Production and Application in Emerging Contaminant Bioremediation. <i>Processes</i> , 2020, 8, 648.	1.3	17
95	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
96	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
97	Functional MgO-Lignin Hybrids and Their Application as Fillers for Polypropylene Composites. <i>Molecules</i> , 2020, 25, 864.	1.7	14
98	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
99	MgO-Lignin Dual Phase Filler as an Effective Modifier of Polyethylene Film Properties. <i>Materials</i> , 2020, 13, 809.	1.3	17
100	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
101	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
102	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
103	Microwave-assisted synthesis of a TiO ₂ -CuO heterojunction with enhanced photocatalytic activity against tetracycline. <i>Applied Surface Science</i> , 2020, 520, 146344.	3.1	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. <i>Chemical Engineering Journal</i> , 2020, 397, 125409.	6.6	80
106	Biopolymer-Based Hybrids as Effective Admixtures for Cement Composites. <i>Polymers</i> , 2020, 12, 1180.	2.0	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. <i>Chemosphere</i> , 2019, 237, 124452.	4.2	5
110	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
111	Co-Immobilization of Glucose Dehydrogenase and Xylose Dehydrogenase as a New Approach for Simultaneous Production of Gluconic and Xylonic Acid. <i>Materials</i> , 2019, 12, 3167.	1.3	12
112	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
113	Preparation and characterization of polypropylene composites reinforced by functional ZnO/lignin hybrid materials. <i>Polymer Testing</i> , 2019, 79, 106058.	2.3	38
114	Lignin-Based Hybrid Admixtures and their Role in Cement Composite Fabrication. <i>Molecules</i> , 2019, 24, 3544.	1.7	23
115	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
116	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019, 226, 115301.	5.1	33
117	Synthesis of highly crystalline photocatalysts based on TiO ₂ and ZnO for the degradation of organic impurities under visible-light irradiation. <i>Adsorption</i> , 2019, 25, 309-325.	1.4	43
118	Multi-faceted strategy based on enzyme immobilization with reactant adsorption and membrane technology for biocatalytic removal of pollutants: A critical review. <i>Biotechnology Advances</i> , 2019, 37, 107401.	6.0	130
119	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
120	Hydrothermal-assisted synthesis of highly crystalline titania-copper oxide binary systems with enhanced antibacterial properties. <i>Materials Science and Engineering C</i> , 2019, 104, 109839.	3.8	14
121	Effect of processing conditions and functional silica/lignin content on the properties of bio-based composite thin sheet films. <i>Polymer Testing</i> , 2019, 77, 105911.	2.3	22
122	Robust biodegradation of naproxen and diclofenac by laccase immobilized using electrospun nanofibers with enhanced stability and reusability. <i>Materials Science and Engineering C</i> , 2019, 103, 109789.	3.8	81
123	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 182-193.	5.8	143
124	A novel biocatalytic system obtained via immobilization of aminoacylase onto sol-gel derived ZrO ₂ -SiO ₂ binary oxide material: physicochemical characteristic and catalytic activity study. <i>Adsorption</i> , 2019, 25, 855-864.	1.4	7
125	A nanocomposite consisting of reduced graphene oxide and electropolymerized β ² -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019, 186, 438.	2.5	37
126	Laccase Immobilized onto Zirconia-Silica Hybrid Doped with Cu ²⁺ as an Effective Biocatalytic System for Decolorization of Dyes. <i>Materials</i> , 2019, 12, 1252.	1.3	33

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127	The role of novel liginosulfonate-based sorbent in a sorption mechanism of active pharmaceutical ingredient: batch adsorption tests and interaction study. <i>Adsorption</i> , 2019, 25, 865-880.	1.4	16
128	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from <i>Aplysina archeri</i> (Aplysineidae: Tj ETQq0 0 0,rgBT /Overlock 10 T	2.2	65
129	Bio-inspired magnetite/lignin/polydopamine-glucose oxidase biosensing nanoplatform. From synthesis, via sensing assays to comparison with others glucose testing techniques. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 677-682.	3.6	49
130	Bioconversion of xylose to xylonic acid via co-immobilized dehydrogenases for conjunct cofactor regeneration. <i>Bioorganic Chemistry</i> , 2019, 93, 102747.	2.0	15
131	New Source of 3D Chitin Scaffolds: The Red Sea Demosponge <i>Pseudoceratina arabica</i> (Pseudoceratinidae, Verongiida). <i>Marine Drugs</i> , 2019, 17, 92.	2.2	36
132	Functional titania-silica/chlorophyllin hybrids: design, fabrication, comprehensive physicochemical characteristic and photocatalytic test. <i>Adsorption</i> , 2019, 25, 485-499.	1.4	8
133	Advanced Ga ₂ O ₃ /Lignin and ZrO ₂ /Lignin Hybrid Microplatforms for Glucose Oxidase Immobilization: Evaluation of Biosensing Properties by Catalytic Glucose Oxidation. <i>Catalysts</i> , 2019, 9, 1044.	1.6	18
134	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
135	The controlled oxidation of kraft lignin in mild conditions using ionic liquid as a crucial point in fabrication of antibacterial hybrid materials. <i>Journal of Molecular Liquids</i> , 2019, 274, 370-378.	2.3	18
136	A high-density polyethylene container based on ZnO/lignin dual fillers with potential antimicrobial activity. <i>Polymer Testing</i> , 2019, 73, 51-59.	2.3	38
137	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.	1.1	25
138	Dendrimer based theranostic nanostructures for combined chemo- and photothermal therapy of liver cancer cells in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 698-708.	2.5	78
139	Kraft lignin/cubic boron nitride hybrid materials as functional components for abrasive tools. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 88-94.	3.6	14
140	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
141	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.	1.7	34
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297	Preparation of functionalised SiO_2 /F-SF poss hybrid fillers and their application in gel polymer electrolytes. <i>Polimery</i> , 2013, 58, 748-758.	0.4	4
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