

Teofil Jesionowski

List of Publications by Year in descending order

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394
papers

14,418
citations

26630

56
h-index

33894

99
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396
all docs

396
docs citations

396
times ranked

14779
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc Oxide – From Synthesis to Application: A Review. <i>Materials</i> , 2014, 7, 2833-2881.	2.9	1,784
2	Enzyme immobilization by adsorption: a review. <i>Adsorption</i> , 2014, 20, 801-821.	3.0	676
3	A General Overview of Support Materials for Enzyme Immobilization: Characteristics, Properties, Practical Utility. <i>Catalysts</i> , 2018, 8, 92.	3.5	626
4	Recent development in the synthesis, modification and application of Mg(OH) ₂ and MgO: A review. <i>Powder Technology</i> , 2017, 319, 373-407.	4.2	223
5	Developments in support materials for immobilization of oxidoreductases: A comprehensive review. <i>Advances in Colloid and Interface Science</i> , 2018, 258, 1-20.	14.7	203
6	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.	7.5	192
7	Poriferan Chitin as a Versatile Template for Extreme Biomimetics. <i>Polymers</i> , 2015, 7, 235-265.	4.5	176
8	Influence of silane coupling agents on surface properties of precipitated silicas. <i>Applied Surface Science</i> , 2001, 172, 18-32.	6.1	159
9	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.	8.0	143
10	Supercritical fluid extraction of essential oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 182-193.	11.4	143
11	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.	12.7	136
12	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.	11.7	130
13	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.	4.9	129
14	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.	4.6	124
15	Structural Characterisation of ZnO Particles Obtained by the Emulsion Precipitation Method. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	2.7	114
16	Carbon paste electrode based on functional GOx/silica-lignin system to prepare an amperometric glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 176-185.	7.8	112
17	Microwave-assisted synthesis of a TiO ₂ -CuO heterojunction with enhanced photocatalytic activity against tetracycline. <i>Applied Surface Science</i> , 2020, 520, 146344.	6.1	106
18	Physicochemical and electrokinetic properties of silica/lignin biocomposites. <i>Carbohydrate Polymers</i> , 2013, 94, 345-355.	10.2	99

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19	TiO ₂ -ZnO Binary Oxide Systems: Comprehensive Characterization and Tests of Photocatalytic Activity. <i>Materials</i> , 2018, 11, 841.	2.9	97
20	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.	7.5	91
21	Kraft lignin/silica@AgNPs as a functional material with antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 220-228.	5.0	90
22	An extreme biomimetic approach: hydrothermal synthesis of β -chitin/ZnO nanostructured composites. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6469.	5.8	87
23	Preparation of the hydrophilic/hydrophobic silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 207, 49-58.	4.7	86
24	Adsorption of dyes on a silica surface. <i>Applied Surface Science</i> , 2002, 199, 31-39.	6.1	84
25	Extreme Biomimetics: formation of zirconium dioxide nanophase using chitinous scaffolds under hydrothermal conditions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5092.	5.8	84
26	Synthesis and characterization of novel copper oxide-chitosan nanocomposites for non-enzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 296-307.	7.8	82
27	A novel functional silica/lignin hybrid material as a potential bio-based polypropylene filler. <i>Polymer Composites</i> , 2015, 36, 913-922.	4.6	81
28	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.	7.3	81
29	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.	2.6	80
30	Recent advances in the fabrication and application of biopolymer-based micro- and nanostructures: A comprehensive review. <i>Chemical Engineering Journal</i> , 2020, 397, 125409.	12.7	80
31	A novel chitosan/sponge chitin origin material as a membrane for supercapacitors @ preparation and characterization. <i>RSC Advances</i> , 2016, 6, 4007-4013.	3.6	78
32	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.	5.0	78
33	Electrospun poly(methyl methacrylate)/polyaniline fibres as a support for laccase immobilisation and use in dye decolourisation. <i>Environmental Research</i> , 2020, 184, 109332.	7.5	78
34	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.	4.4	76
35	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.	4.9	74
36	Treatment of model and galvanic waste solutions of copper(II) ions using a lignin/inorganic oxide hybrid as an effective sorbent. <i>Journal of Hazardous Materials</i> , 2017, 328, 150-159.	12.4	73

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37	Synergistic Degradation of Dye Wastewaters Using Binary or Ternary Oxide Systems with Immobilized Laccase. <i>Catalysts</i> , 2018, 8, 402.	3.5	73
38	Collagens of Poriferan Origin. <i>Marine Drugs</i> , 2018, 16, 79.	4.6	72
39	Poriferan chitin as a template for hydrothermal zirconia deposition. <i>Frontiers of Materials Science</i> , 2013, 7, 248-260.	2.2	71
40	Extreme biomimetic approach for developing novel chitin-GeO ₂ nanocomposites with photoluminescent properties. <i>Nano Research</i> , 2015, 8, 2288-2301.	10.4	71
41	Novel nanostructured hematite-spongín composite developed using an extreme biomimetic approach. <i>RSC Advances</i> , 2015, 5, 79031-79040.	3.6	71
42	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.	4.8	71
43	Chitin-Lignin Material as a Novel Matrix for Enzyme Immobilization. <i>Marine Drugs</i> , 2015, 13, 2424-2446.	4.6	70
44	Study of the role of ceramic filler in composite gel electrolytes based on microporous polymer membranes. <i>Journal of Membrane Science</i> , 2009, 326, 582-588.	8.2	68
45	Physical and Bioactive Properties of Muffins Enriched with Raspberry and Cranberry Pomace Powder: A Promising Application of Fruit By-Products Rich in Biocompounds. <i>Plant Foods for Human Nutrition</i> , 2016, 71, 165-173.	3.2	68
46	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.	4.2	67
47	Preparation of chitin-silica composites by in vitro silicification of two-dimensional <i>Ianthella basta</i> demosponge chitinous scaffolds under modified StÄrber conditions. <i>Materials Science and Engineering C</i> , 2013, 33, 3935-3941.	7.3	66
48	Marine Spongín: Naturally Prefabricated 3D Scaffold-Based Biomaterial. <i>Marine Drugs</i> , 2018, 16, 88.	4.6	66
49	Enhanced removal of hazardous dye form aqueous solutions and real textile wastewater using bifunctional chitin/lignin biosorbent. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 754-764.	7.5	65
50	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from <i>Aplysina archeri</i> (Aplysineidae:). <i>Tj ETQqO O O rgBT /Overlock 10 T</i>	4.8	65
51	Hydrothermal synthesis of multifunctional TiO ₂ -ZnO oxide systems with desired antibacterial and photocatalytic properties. <i>Applied Surface Science</i> , 2019, 463, 791-801.	6.1	64
52	Biosilica as a source for inspiration in biological materials science. <i>American Mineralogist</i> , 2018, 103, 665-691.	1.9	62
53	Cyclodextrin-Based Magnetic Nanoparticles for Cancer Therapy. <i>Nanomaterials</i> , 2018, 8, 170.	4.1	61
54	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , 2022, 344, 126201.	9.6	61

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55	Adsorption of Ni(II) from model solutions using co-precipitated inorganic oxides. <i>Adsorption</i> , 2013, 19, 423-434.	3.0	59
56	Influence of aminosilane surface modification and dyes adsorption on zeta potential of spherical silica particles formed in emulsion system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 222, 87-94.	4.7	58
57	Comparison of the techniques used to modify amorphous hydrated silicas. <i>Journal of Non-Crystalline Solids</i> , 2000, 277, 45-57.	3.1	57
58	A comprehensive review of template-assisted porous carbons: Modern preparation methods and advanced applications. <i>Materials Science and Engineering Reports</i> , 2022, 149, 100682.	31.8	57
59	Treatment of textile dye wastewater using modified silica. <i>Dyes and Pigments</i> , 2007, 75, 116-124.	3.7	55
60	Influence of selected alkoxysilanes on dispersive properties and surface chemistry of spherical silica precipitated in emulsion media. <i>Materials Chemistry and Physics</i> , 2010, 119, 65-74.	4.0	55
61	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.	12.4	55
62	Synthesis of nanostructured chitin-hematite composites under extreme biomimetic conditions. <i>RSC Advances</i> , 2014, 4, 61743-61752.	3.6	53
63	Influence of Processing Conditions on the Thermal Stability and Mechanical Properties of PP/Silica-Lignin Composites. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-9.	2.7	53
64	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019, 5, eaax2805.	10.3	53
65	Polymeric nanoparticles-embedded organogel for roxithromycin delivery to hair follicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 75-84.	4.3	52
66	Kraft lignin and silica as precursors of advanced composite materials and electroactive blends. <i>Journal of Materials Science</i> , 2014, 49, 1376-1385.	3.7	51
67	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.	10.4	51
68	Enhanced Wastewater Treatment by Immobilized Enzymes. <i>Current Pollution Reports</i> , 2021, 7, 167-179.	6.6	51
69	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.	7.8	49
70	Titania-Based Hybrid Materials with ZnO, ZrO ₂ and MoS ₂ : A Review. <i>Materials</i> , 2018, 11, 2295.	2.9	49
71	Polydopamine grafted on an advanced Fe ₃ O ₄ /lignin hybrid material and its evaluation in biosensing. <i>Applied Surface Science</i> , 2018, 455, 455-464.	6.1	49
72	Bio-inspired magnetite/lignin/polydopamine-glucose oxidase biosensing nanoplatfom. From synthesis, via sensing assays to comparison with others glucose testing techniques. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 677-682.	7.5	49

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73	Physicochemical and morphological properties of hydrated silicas precipitated following alkoxy silane surface modification. <i>Applied Surface Science</i> , 2003, 205, 212-224.	6.1	48
74	The effect of filler surface modification and processing conditions on distribution behaviour of silica nanofillers in polyesters. <i>Colloid and Polymer Science</i> , 2007, 285, 1267-1273.	2.1	47
75	Microstructure and structural transition in microemulsions stabilized by aldonamide-type surfactants. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 408-417.	9.4	47
76	Chitin of poriferan origin and the bioelectrometallurgy of copper/copper oxide. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1626-1632.	7.5	47
77	Titania/lignin hybrid materials as a novel support for Î±-amylase immobilization: A comprehensive study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 90-97.	5.0	47
78	Immobilization of Cellulase on a Functional Inorganic-Organic Hybrid Support: Stability and Kinetic Study. <i>Catalysts</i> , 2017, 7, 374.	3.5	46
79	Adsorption of organic dyes on the aminosilane modified TiO ₂ surface. <i>Dyes and Pigments</i> , 2004, 62, 121-130.	3.7	45
80	Stability of poly(vinylidene fluoride-co-hexafluoropropylene)-based composite gel electrolytes with functionalized silicas. <i>Journal of Power Sources</i> , 2007, 173, 721-728.	7.8	45
81	Nucleation ability of advanced functional silica/lignin hybrid fillers in polypropylene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 251-262.	3.6	45
82	Preparation and Characterization of Novel PVC/Silica-Lignin Composites. <i>Polymers</i> , 2015, 7, 1767-1788.	4.5	44
83	Physicochemical Characterization of Functional Lignin-Silica Hybrid Fillers for Potential Application in Abrasive Tools. <i>Materials</i> , 2016, 9, 517.	2.9	44
84	Isolation and identification of chitin from heavy mineralized skeleton of <i>Suberea clavata</i> (Verongida). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> . 2017, 104, 1706-1712.	7.5	44
85	Activation of Magnesium Lignosulfonate and Kraft Lignin: Influence on the Properties of Phenolic Resin-Based Composites for Potential Applications in Abrasive Materials. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1224.	4.1	44
86	Removal of hazardous non-steroidal anti-inflammatory drugs from aqueous solutions by biosorbent based on chitin and lignin. <i>Science of the Total Environment</i> , 2018, 612, 1223-1233.	8.0	43
87	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.	3.0	43
88	Characterization of silicas precipitated from solution of sodium metasilicate and hydrochloric acid in emulsion medium. <i>Powder Technology</i> , 2002, 127, 56-65.	4.2	42
89	Synthesis of organic-inorganic hybrids via adsorption of dye on an aminosilane-functionalised silica surface. <i>Dyes and Pigments</i> , 2002, 55, 133-141.	3.7	42
90	Preparation and Characterization of Multifunctional Chitin/Lignin Materials. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-13.	2.7	42

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91	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.	4.7	42
92	Interactions between rhamnolipid biosurfactants and toxic chlorinated phenols enhance biodegradation of a model hydrocarbon-rich effluent. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 605-611.	3.9	41
93	<i>Sapindus saponins</i> ™ impact on hydrocarbon biodegradation by bacteria strains after short- and long-term contact with pollutant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 207-213.	5.0	41
94	Preparation of colloidal silica from sodium metasilicate solution and sulphuric acid in emulsion medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 190, 153-165.	4.7	40
95	Removal of cadmium(II) and lead(II) ions from model aqueous solutions using sol-gel-derived inorganic oxide adsorbent. <i>Adsorption</i> , 2016, 22, 445-458.	3.0	40
96	Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. <i>Applied Surface Science</i> , 2021, 565, 150542.	6.1	40
97	Epoxy Resin Composite Based on Functional Hybrid Fillers. <i>Materials</i> , 2014, 7, 6064-6091.	2.9	39
98	Supramolecular structure and nucleation ability of polylactide-based composites with silica/lignin hybrid fillers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 263-275.	3.6	38
99	Preparation and characterization of polypropylene composites reinforced by functional ZnO/lignin hybrid materials. <i>Polymer Testing</i> , 2019, 79, 106058.	4.8	38
100	A high-density polyethylene container based on ZnO/lignin dual fillers with potential antimicrobial activity. <i>Polymer Testing</i> , 2019, 73, 51-59.	4.8	38
101	Production of antibacterial cement composites containing ZnO/lignin and ZnO-SiO ₂ /lignin hybrid admixtures. <i>Cement and Concrete Composites</i> , 2021, 124, 104250.	10.7	38
102	Preparation of hybrid pigments via adsorption of selected food dyes onto inorganic oxides based on anatase titanium dioxide. <i>Dyes and Pigments</i> , 2012, 94, 338-348.	3.7	37
103	Solvothermal synthesis of hydrophobic chitin-polyhedral oligomeric silsesquioxane (POSS) nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015, 78, 224-229.	7.5	37
104	The influence of addition of a catalyst and chelating agent on the properties of titanium dioxide synthesized via the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 264-278.	2.4	37
105	Roxithromycin-loaded lipid nanoparticles for follicular targeting. <i>International Journal of Pharmaceutics</i> , 2015, 495, 807-815.	5.2	37
106	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. <i>Advanced Functional Materials</i> , 2016, 26, 2503-2510.	14.9	37
107	Biopolymers conjugated with magnetite as support materials for trypsin immobilization and protein digestion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 118-125.	5.0	37
108	A nanocomposite consisting of reduced graphene oxide and electropolymerized β -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019, 186, 438.	5.0	37

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109	Forced Biomineralization: A Review. <i>Biomimetics</i> , 2021, 6, 46.	3.3	37
110	Active MgO-SiO ₂ hybrid material for organic dye removal: A mechanism and interaction study of the adsorption of C.I. Acid Blue 29 and C.I. Basic Blue 9. <i>Journal of Environmental Management</i> , 2017, 204, 123-135.	7.8	37
111	Adsorption of C.I. Natural Red 4 onto Spongin Skeleton of Marine Demosponge. <i>Materials</i> , 2015, 8, 96-116.	2.9	36
112	Lipase B from <i>Candida antarctica</i> Immobilized on a Silica-Lignin Matrix as a Stable and Reusable Biocatalytic System. <i>Catalysts</i> , 2017, 7, 14.	3.5	36
113	New Source of 3D Chitin Scaffolds: The Red Sea Demosponge <i>Pseudoceratina arabica</i> (<i>Pseudoceratinidae</i> , <i>Verongiida</i>). <i>Marine Drugs</i> , 2019, 17, 92.	4.6	36
114	3D Chitin Scaffolds of Marine Demosponge Origin for Biomimetic Mollusk Hemolymph-Associated Biomineralization Ex-Vivo. <i>Marine Drugs</i> , 2020, 18, 123.	4.6	36
115	Preparation of pigments on modified precipitated silicas. <i>Dyes and Pigments</i> , 2000, 47, 247-257.	3.7	35
116	Precipitated silicas modified with 3-aminopropyltriethoxysilane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 173, 73-84.	4.7	35
117	Spongin-Based Scaffolds from <i>Hippospongia communis</i> Demosponge as an Effective Support for Lipase Immobilization. <i>Catalysts</i> , 2017, 7, 147.	3.5	35
118	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from <i>Caribena versicolor</i> Spider Molt Cuticle. <i>Molecules</i> , 2019, 24, 3736.	3.8	35
119	Anthocyanin dye conjugated with <i>Hippospongia communis</i> marine demosponge skeleton and its antiradical activity. <i>Dyes and Pigments</i> , 2016, 134, 541-552.	3.7	34
120	Extreme biomimetic approach for synthesis of nanocrystalline chitin-(Ti,Zr)O ₂ multiphase composites. <i>Materials Chemistry and Physics</i> , 2017, 188, 115-124.	4.0	34
121	A Comparative Computational Investigation of Phosgene Adsorption on (XY) ₁₂ (X = Al, B and N, P) Nanoclusters: DFT Investigations. <i>Journal of Cluster Science</i> , 2019, 30, 203-218.	3.3	34
122	<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.	6.7	34
123	Effect of chemically modified silicas on the properties of hybrid gel electrolyte for Li-ion batteries. <i>Journal of Power Sources</i> , 2006, 159, 449-453.	7.8	33
124	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019, 226, 115301.	10.2	33
125	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.	2.9	33
126	Biodegradation of alkyl derivatives of aromatic hydrocarbons and cell surface properties of a strain of <i>Pseudomonas stutzeri</i> . <i>Chemosphere</i> , 2013, 90, 471-478.	8.2	32

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127	The method of purifying bioengineered spider silk determines the silk sphere properties. Scientific Reports, 2016, 6, 28106.	3.3	32
128	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
129	The influence of filler modification on its aggregation and dispersion behaviour in silica/PBT composite. Composite Interfaces, 2003, 10, 225-242.	2.3	31
130	Characterisation of pigments obtained by adsorption of C.I. Basic Blue 9 and C.I. Acid Orange 52 dyes onto silica particles precipitated via the emulsion route. Dyes and Pigments, 2005, 67, 81-92.	3.7	31
131	Study of the interfacial stability of PVdF/HFP gel electrolytes with sub-micro- and nano-sized surface-modified silicas. Electrochimica Acta, 2010, 55, 1308-1313.	5.2	31
132	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. Biomimetics, 2017, 2, 4.	3.3	31
133	Investigation of amino-grafted TiO ₂ /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
134	The demosponge <i>Pseudoceratina purpurea</i> as a new source of fibrous chitin. International Journal of Biological Macromolecules, 2018, 112, 1021-1028.	7.5	31
135	Discovery of chitin in skeletons of non-verongiid Red Sea demosponges. PLoS ONE, 2018, 13, e0195803.	2.5	31
136	Structural and electrochemical properties of multifunctional silica/lignin materials. Materials Chemistry and Physics, 2014, 147, 1049-1057.	4.0	30
137	Immobilization of <i>Amano Lipase A</i> onto Stober silica surface: process characterization and kinetic studies. Open Chemistry, 2015, 13, .	1.9	30
138	Lignosulfonate-stabilized selenium nanoparticles and their deposition on spherical silica. International Journal of Biological Macromolecules, 2017, 103, 403-408.	7.5	30
139	Effect of silane coupling agents on properties of precipitated sodium aluminium silicates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 182, 65-81.	4.7	29
140	Effect of N-2-(aminoethyl)-3-aminopropyltrimethoxysilane surface modification and C.I. Acid Red 18 dye adsorption on the physicochemical properties of silica precipitated in an emulsion route, used as a pigment and a filler in acrylic paints. Dyes and Pigments, 2003, 57, 29-41.	3.7	29
141	Preparation of monolithic silica-chitin composite under extreme biomimetic conditions. International Journal of Biological Macromolecules, 2015, 76, 33-38.	7.5	29
142	Marine sponge skeleton photosensitized by copper phthalocyanine: A catalyst for Rhodamine B degradation. Open Chemistry, 2016, 14, 243-254.	1.9	29
143	Functionalization of organically modified silica with gold nanoparticles in the presence of lignosulfonate. International Journal of Biological Macromolecules, 2016, 85, 74-81.	7.5	29
144	Preparation and Characterization of Eco-Friendly Mg(OH) ₂ /Lignin Hybrid Material and Its Use as a Functional Filler for Poly(Vinyl Chloride). Polymers, 2017, 9, 258.	4.5	29

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