

# Tahir Rasheed

## List of Publications by Year in descending order

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159  
papers

8,446  
citations

41344

49  
h-index

53230

85  
g-index

163  
all docs

163  
docs citations

163  
times ranked

8474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-Based Smart Polymeric Hydrogels and Their Prospective Applications in Biomedicine. Starch/Staerke, 2024, 76, 2100150.	2.1	10
2	Tailor made Functional Zeolite as Sustainable Potential Candidates for Catalytic Cracking of Heavy Hydrocarbons. Catalysis Letters, 2022, 152, 732-744.	2.6	14
3	Two dimensional MXenes as emerging paradigm for adsorptive removal of toxic metallic pollutants from wastewater. Chemosphere, 2022, 287, 132319.	8.2	84
4	Covalent organic frameworks-based smart materials for mitigation of pharmaceutical pollutants from aqueous solution. Chemosphere, 2022, 286, 131710.	8.2	40
5	Addressing thermodynamic Instability of Zn anode: classical and recent advancements. Energy Storage Materials, 2022, 44, 206-230.	18.0	88
6	Revisiting the role of polymers as renewable and flexible materials for advanced batteries. Energy Storage Materials, 2022, 45, 1012-1039.	18.0	7
7	Biodegradation of micropollutants. , 2022, , 477-507.		4
8	Nanobiodegradation of pharmaceutical pollutants. , 2022, , 635-653.		5
9	Microbial fuel cells a state-of-the-art technology for wastewater treatment and bioelectricity generation. Environmental Research, 2022, 204, 112387.	7.5	47
10	Recent advances in chemically and biologically synthesized nanostructures for colorimetric detection of heavy metal. Journal of King Saud University - Science, 2022, 34, 101745.	3.5	26
11	Phytochemistry and Diverse Pharmacology of Genus Mimosa: A Review. Biomolecules, 2022, 12, 83.	4.0	15
12	Metal-organic frameworks based hybrid nanocomposites as state-of-the-art analytical tools for electrochemical sensing applications. Biosensors and Bioelectronics, 2022, 199, 113867.	10.1	77
13	Octylamine as environment friendlier colorimetric detection probe for hazardous 2,4,6-Trinitrophenol from wastewater samples. Chemosphere, 2022, 293, 133537.	8.2	3
14	Methods for Predicting Ethylene/Cyclic Olefin Copolymerization Rates Promoted by Single-Site Metallocene: Kinetics Is the Key. Polymers, 2022, 14, 459.	4.5	6
15	Metal-organic frameworks for removal of heavy metals. , 2022, , 455-476.		1
16	MXenes as an emerging class of two-dimensional materials for advanced energy storage devices. Journal of Materials Chemistry A, 2022, 10, 4558-4584.	10.3	33
17	Nanomaterials for removal of heavy metals from wastewater. , 2022, , 135-161.		7
18	Toxicological impact and adsorptive removal of triclosan from water bodies using chitosan and carbon-based nano-architectures. , 2022, , 437-452.		1

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19	Revisiting recent and traditional strategies for surface protection of Zn metal anode. <i>Journal of Power Sources</i> , 2022, 525, 231122.	7.8	41
20	MXenes as emerging two-dimensional analytical modalities for potential recognition of hazardous environmental contaminants. <i>Materials Today Chemistry</i> , 2022, 24, 100859.	3.5	15
21	Recent applications of vinyl ethylene carbonates in Pd-catalyzed allylic substitution and annulation reactions: Synthesis of multifunctional allylic and cyclic structural motifs. <i>Coordination Chemistry Reviews</i> , 2022, 462, 214526.	18.8	20
22	Covalent organic frameworks as promising adsorbent paradigm for environmental pollutants from aqueous matrices: Perspective and challenges. <i>Science of the Total Environment</i> , 2022, 833, 155279.	8.0	35
23	Gums-based engineered bio-nanostructures for greening the 21st-century biotechnological settings. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 3913-3929.	10.3	9
24	Thermoplastic polyurethane/rutile titanium dioxide composites tuned for hydrophobicity with effective reinforcement. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	3
25	Influence of Machining Parameters on Machinability of Inconel 718—A Review. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	5
26	Polymerization kinetics of bicyclic olefins and mechanism with symmetrical ansa-metallocene catalysts associated with active center count: relationship between their activities and structure and activation path. <i>RSC Advances</i> , 2022, 12, 15284-15295.	3.6	6
27	Magnetic nanomaterials: Greener and sustainable alternatives for the adsorption of hazardous environmental contaminants. <i>Journal of Cleaner Production</i> , 2022, 362, 132338.	9.3	30
28	Covalent Organic Frameworks-Based Membranes as Promising Modalities from Preparation to Separation Applications: An Overview. <i>Chemical Record</i> , 2022, 22, .	5.8	10
29	3D MXenes as promising alternatives for potential electrocatalysis applications: opportunities and challenges. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9669-9690.	5.5	8
30	Biomass-derived nitrogen-rich porous carbon composite for supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14793-14804.	2.2	2
31	In-house fabrication of macro-porous biopolymeric hydrogel and its deployment for adsorptive remediation of lead and cadmium from water matrices. <i>Environmental Research</i> , 2022, 214, 113790.	7.5	9
32	Microneedles in Smart Drug Delivery. <i>Advances in Wound Care</i> , 2021, 10, 204-219.	5.1	20
33	Design and feasibility study of novel paraboloid graphite based microbial fuel cell for bioelectrogenesis and pharmaceutical wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104502.	6.7	73
34	Evaluation of current and future solvents for selective lignin dissolution—A review. <i>Journal of Molecular Liquids</i> , 2021, 321, 114577.	4.9	43
35	Tailored functional polymeric vesicles as smart nanostructured materials for aqueous monitoring of transition metal cations. <i>Journal of Molecular Liquids</i> , 2021, 327, 114791.	4.9	11
36	Rapid kinetic evaluation of homogeneous single-site metallocene catalysts and cyclic diene: how do the catalytic activity, molecular weight, and diene incorporation rate of olefins affect each other?. <i>RSC Advances</i> , 2021, 11, 31817-31826.	3.6	14

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37	An Updated Coverage on the Synthesis of Benzo[b]thiophenes via Transition-metalcatalyzed Reactions: A Review. <i>Current Organic Chemistry</i> , 2021, 25, 40-67.	1.6	7
38	Risk management strategies and therapeutic modalities to tackle COVID-19/SARS-CoV-2. <i>Journal of Infection and Public Health</i> , 2021, 14, 331-346.	4.1	12
39	Supercritical CO <sub>2</sub> drying of pure silica aerogels: effect of drying time on textural properties of nanoporous silica aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 478-486.	2.4	6
40	Coupling of electrocoagulation and powder activated carbon for the treatment of sustainable wastewater. <i>Environmental Science and Pollution Research</i> , 2021, 28, 48505-48516.	5.3	31
41	Effect of protic ionic liquid treatment on the pyrolysis products of lignin extracted from oil palm biomass. <i>Fuel</i> , 2021, 291, 120133.	6.4	39
42	Novel strategies to reduce engine emissions and improve energy efficiency in hybrid vehicles. <i>Cleaner Engineering and Technology</i> , 2021, 2, 100074.	4.0	28
43	Fully solar powered Doncaster Sheffield Airport: Energy evaluation, glare analysis and CO <sub>2</sub> mitigation. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101122.	2.7	10
44	Valorisation and emerging perspective of biomass based waste-to-energy technologies and their socio-environmental impact: A review. <i>Journal of Environmental Management</i> , 2021, 287, 112257.	7.8	70
45	Thrombolytic and cytotoxic activity of different bioactive extracts of <i>E.Âcoli</i> . <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100080.	6.1	12
46	A Comprehensive Review of the Ethnotraditional Uses and Biological and Pharmacological Potential of the Genus <i>Mimosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7463.	4.1	15
47	Nano and micro architected cues as smart materials to mitigate recalcitrant pharmaceutical pollutants from wastewater. <i>Chemosphere</i> , 2021, 274, 129785.	8.2	53
48	Revisiting photo and electro-catalytic modalities for sustainable conversion of CO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2021, 623, 118248.	4.3	13
49	Hydrothermally engineered Niâ€CuC hybrid nanocomposites: Structural and morphological investigations with potential fuel catalytic applications. <i>Materials Chemistry and Physics</i> , 2021, 270, 124837.	4.0	25
50	Hybrid Nanofluids as Renewable and Sustainable Colloidal Suspensions for Potential Photovoltaic/Thermal and Solar Energy Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 737033.	3.6	27
51	Formulation, characterization, and pharmacokinetic evaluation of Ivabradine-Nebivolol co-encapsulated lipospheres. <i>Journal of Molecular Liquids</i> , 2021, 344, 117704.	4.9	4
52	Emergence of 2-Pyrone and Its Derivatives, from Synthesis to Biological Perspective: An Overview and Current Status. <i>Topics in Current Chemistry</i> , 2021, 379, 38.	5.8	14
53	Smart chemistry of enzyme immobilization using various support matrices â€ A review. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 396-408.	7.5	59
54	Tailored functional materials as robust candidates to mitigate pesticides in aqueous matricesâ€a review. <i>Chemosphere</i> , 2021, 282, 131056.	8.2	23

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55	Waterborne polyurethane-based electrode nanomaterials. , 2021, , 615-639.		1
56	Ultrasonic-assisted extraction as a green route for hydrolysis of bound phenolics in selected wild fruits: Detection and systematic characterization using GC-MS-TIC method. Process Biochemistry, 2021, 111, 79-85.	3.7	7
57	Hydrothermally engineered enhanced hydrate formation for potential CO2 capture applications. Journal of Environmental Chemical Engineering, 2021, 9, 106515.	6.7	8
58	PHYTOCHEMICAL SCREENING OF DIFFERENT ROOT EXTRACTS OF <i>Ageratum conyzoides</i> AND THEIR POTENTIAL BIOACTIVE PROPERTIES. Journal of Experimental Biology and Agricultural Sciences, 2021, 9, 639-646.	0.4	0
59	Bio-Inspired Supramolecular Membranes: A Pathway to Separation and Purification of Emerging Pollutants. Separation and Purification Reviews, 2020, 49, 20-36.	5.5	18
60	Modification strategies for improving the solubility/dispersion of carbon nanotubes. Journal of Molecular Liquids, 2020, 297, 111919.	4.9	68
61	Synthesis, DFT, computational exploration of chemical reactivity, molecular docking studies of novel formazan metal complexes and their biological applications. Applied Organometallic Chemistry, 2020, 34, e5444.	3.5	50
62	Antibiotics traces in the aquatic environment: persistence and adverse environmental impact. Current Opinion in Environmental Science and Health, 2020, 13, 68-74.	4.1	179
63	Rhodol-conjugated polymersome sensor for visual and highly-sensitive detection of hydrazine in aqueous media. Journal of Hazardous Materials, 2020, 388, 121757.	12.4	37
64	Bio-mass derived ultrahigh-energy storage porous graphitic carbon for advanced anode material in lithium battery. Materials Chemistry and Physics, 2020, 242, 122543.	4.0	12
65	Thermoplastic polyurethane conjugated antimony doped tin oxide nanocomposite for enhanced electrical and thermal conductivity. Synthetic Metals, 2020, 269, 116570.	3.9	3
66	Evaluation and detoxification of aflatoxins in ground and tree nuts using food grade organic acids. Biocatalysis and Agricultural Biotechnology, 2020, 29, 101749.	3.1	32
67	Luminol immobilized graphite electrode as sensitive electrochemiluminescent sensor for the detection of hydrogen peroxide. Sensors International, 2020, 1, 100027.	8.4	4
68	Photocatalytic and adsorptive remediation of hazardous environmental pollutants by hybrid nanocomposites. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100037.	6.1	34
69	Carbon nanotubes assisted analytical detection Sensing/delivery cues for environmental and biomedical monitoring. TrAC - Trends in Analytical Chemistry, 2020, 132, 116066.	11.4	71
70	An Experimental Investigation on Tribological Behaviour of Tire-Derived Pyrolysis Oil Blended with Biodiesel Fuel. Sustainability, 2020, 12, 9975.	3.2	32
71	Surfactants-based remediation as an effective approach for removal of environmental pollutants A review. Journal of Molecular Liquids, 2020, 318, 113960.	4.9	127
72	Nitrogen doped carbon quantum dots conjugated with AgNi alloy nanoparticles as potential electrocatalyst for efficient water splitting. Journal of Alloys and Compounds, 2020, 847, 156492.	5.5	15

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73	Polyvinylpyrrolidone decorated manganese ferrite based cues for the efficient removal of heavy metals ions from waste water. <i>Physica B: Condensed Matter</i> , 2020, 599, 412559.	2.7	6
74	Current perspective on diagnosis, epidemiological assessment, prevention strategies, and potential therapeutic interventions for severe acute respiratory infections caused by 2019 novel coronavirus (SARS-CoV-2). <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 3001-3010.	3.3	8
75	Catalytic Activity of Pt Loaded Zeolites for Hydroisomerization of <i>n</i> -Hexane Using Supercritical CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22092-22106.	3.7	60
76	Solution Combustion Synthesis of Transparent Conducting Thin Films for Sustainable Photovoltaic Applications. <i>Sustainability</i> , 2020, 12, 10423.	3.2	12
77	Sustainable Conversion of Carbon Dioxide into Diverse Hydrocarbon Fuels via Molten Salt Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19178-19188.	6.7	11
78	Development of 2,4-dinitrophenylhydrazine-modified carbon paste electrode for highly sensitive electrochemical sensing of amino acids. <i>Monatshefte für Chemie</i> , 2020, 151, 505-510.	1.8	5
79	Metal-organic frameworks based adsorbents: A review from removal perspective of various environmental contaminants from wastewater. <i>Chemosphere</i> , 2020, 259, 127369.	8.2	136
80	Water matrices as potential source of SARS-CoV-2 transmission – An overview from environmental perspective. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100023.	6.1	21
81	Conjugated supramolecular architectures as state-of-the-art materials in detection and remedial measures of nitro based compounds: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115958.	11.4	33
82	Development of molecularly imprinted magnetic iron oxide nanoparticles for doxorubicin drug delivery. <i>Monatshefte für Chemie</i> , 2020, 151, 1049-1057.	1.8	4
83	Fabrication of iron modified screen printed carbon electrode for sensing of amino acids. <i>Polyhedron</i> , 2020, 180, 114426.	2.2	20
84	Mitigation of environmentally-related hazardous pollutants from water matrices using nanostructured materials – A review. <i>Chemosphere</i> , 2020, 253, 126770.	8.2	62
85	Hyperbranched copolymer based photoluminescent vesicular probe conjugated with tetraphenylethene: Synthesis, aggregation-induced emission and explosive detection. <i>Journal of Molecular Liquids</i> , 2020, 308, 113034.	4.9	20
86	Environmental threatening concern and efficient removal of pharmaceutically active compounds using metal-organic frameworks as adsorbents. <i>Environmental Research</i> , 2020, 185, 109436.	7.5	137
87	Development of nitrogen doped carbon dots modified CuCo alloy nanoparticles for potential electrocatalytic water splitting. <i>Journal of Molecular Liquids</i> , 2020, 309, 113111.	4.9	21
88	Modalities for conversion of waste to energy – Challenges and perspectives. <i>Science of the Total Environment</i> , 2020, 727, 138610.	8.0	48
89	Metal-Organic Framework-Based Engineered Materials – Fundamentals and Applications. <i>Molecules</i> , 2020, 25, 1598.	3.8	75
90	FASTKIT: A Mobile Cable-Driven Parallel Robot for Logistics. <i>Springer Tracts in Advanced Robotics</i> , 2020, , 141-163.	0.4	19

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91	Bionanocomposites from Biofibers and Biopolymers. , 2020, , 135-157.		8
92	A Case Report of Pregnant Lady having COVID-19 Delivered via Cesarean Section in Tertiary Care Hospital in Pakistan. Journal of Pure and Applied Microbiology, 2020, 14, 1121-1123.	0.9	2
93	“Smart” materials-based near-infrared light-responsive drug delivery systems for cancer treatment: A review. Journal of Materials Research and Technology, 2019, 8, 1497-1509.	5.8	149
94	Biomimetic nanostructures/cues as drug delivery systems: a review. Materials Today Chemistry, 2019, 13, 147-157.	3.5	37
95	Bio-Catalysis and Biomedical Perspectives of Magnetic Nanoparticles as Versatile Carriers. Magnetochemistry, 2019, 5, 42.	2.4	42
96	Carbon nanotubes-based cues: A pathway to future sensing and detection of hazardous pollutants. Journal of Molecular Liquids, 2019, 292, 111425.	4.9	76
97	Self-sacrificing template based hollow carbon spheres/molybdenum dioxide nanocomposite for high-performance Lithium-ion batteries. Materials Today Communications, 2019, 21, 100694.	1.9	10
98	Luminescent metal-organic frameworks as potential sensory materials for various environmental toxic agents. Coordination Chemistry Reviews, 2019, 401, 213065.	18.8	173
99	Emerging contaminants of high concern and their enzyme-assisted biodegradation “ A review. Environment International, 2019, 124, 336-353.	10.0	338
100	Supramolecular membranes: A robust platform to develop separation strategies towards water-based applications. Separation and Purification Technology, 2019, 215, 441-453.	7.9	20
101	Rhodamine-assisted fluorescent strategy for the sensitive and selective in-field mapping of environmental pollutant Hg(II) with potential bioimaging. Journal of Luminescence, 2019, 208, 519-526.	3.1	53
102	Development, influencing parameters and interactions of bioplasticizers: An environmentally friendlier alternative to petro industry-based sources. Science of the Total Environment, 2019, 682, 394-404.	8.0	24
103	TiO <sub>2</sub> /SiO <sub>2</sub> decorated carbon nanostructured materials as a multifunctional platform for emerging pollutants removal. Science of the Total Environment, 2019, 688, 299-311.	8.0	90
104	Self-assembly of artificial peroxidase mimics from alternating copolymers with chromogenic and biocatalyst potentialities. Journal of Industrial and Engineering Chemistry, 2019, 78, 315-323.	5.8	11
105	Biogenic synthesis and characterization of cobalt oxide nanoparticles for catalytic reduction of direct yellow-142 and methyl orange dyes. Biocatalysis and Agricultural Biotechnology, 2019, 19, 101154.	3.1	90
106	Endogenous and Exogenous Stimuli-Responsive Drug Delivery Systems for Programmed Site-Specific Release. Molecules, 2019, 24, 1117.	3.8	188
107	“Turn-on” fluorescent sensor-based probing of toxic Hg(II) and Cu(II) with potential intracellular monitoring. Biocatalysis and Agricultural Biotechnology, 2019, 17, 696-701.	3.1	45
108	Solution Self-Assembly of an Alternating Copolymer toward Hollow Carbon Nanospheres with Uniform Micropores. ACS Macro Letters, 2019, 8, 331-336.	4.8	28

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109	Chromogenic vesicles for aqueous detection and quantification of Hg <sup>2+</sup> /Cu <sup>2+</sup> in real water samples. <i>Journal of Molecular Liquids</i> , 2019, 282, 489-498.	4.9	44
110	Biogenic Nanoparticle-Chitosan Conjugates with Antimicrobial, Antibiofilm, and Anticancer Potentialities: Development and Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 598.	2.6	58
111	Photodynamic-based therapeutic modalities to fight against cancer – A review from synergistic viewpoint. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 70-82.	3.0	23
112	Optimization based Trajectory Planning of Mobile Cable-Driven Parallel Robots. , 2019, , .		15
113	Lithium Salt Doped Poly(Vinylidene Fluoride)/Cellulose Acetate Composite Gel Electrolyte Membrane for Lithium Ion Battery. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 654, 012017.	0.6	8
114	Block copolymer self-assembly mediated aggregation induced emission for selective recognition of picric acid. <i>Journal of Molecular Liquids</i> , 2019, 296, 111966.	4.9	18
115	Agarose-chitosan hydrogel-immobilized horseradish peroxidase with sustainable bio-catalytic and dye degradation properties. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 742-749.	7.5	130
116	Rhodol assisted alternating copolymer based chromogenic vesicles for the aqueous detection and quantification of hydrazine via switch-on strategy. <i>Journal of Molecular Liquids</i> , 2019, 274, 461-469.	4.9	32
117	Multifunctional metal-organic frameworks-based biocatalytic platforms: recent developments and future prospects. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2359-2371.	5.8	97
118	Hazardous contaminants in the environment and their laccase-assisted degradation – A review. <i>Journal of Environmental Management</i> , 2019, 234, 253-264.	7.8	216
119	One pot facile synthesis of carbonaceous gel via thiol-epoxy click reaction as potential electrode material for supercapacitor. <i>Synthetic Metals</i> , 2019, 248, 81-87.	3.9	8
120	Environmentally-related contaminants of high concern: Potential sources and analytical modalities for detection, quantification, and treatment. <i>Environment International</i> , 2019, 122, 52-66.	10.0	503
121	Physiochemical characteristics and bone/cartilage tissue engineering potentialities of protein-based macromolecules – A review. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 13-22.	7.5	34
122	Self-assembly of alternating copolymer vesicles for the highly selective, sensitive and visual detection and quantification of aqueous Hg <sup>2+</sup> . <i>Chemical Engineering Journal</i> , 2019, 358, 101-109.	12.7	97
123	Aqueous monitoring of toxic mercury through a rhodamine-based fluorescent sensor. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 1861-1873.	1.9	19
124	Path Planning of a Mobile Cable-Driven Parallel Robot in a Constrained Environment. <i>Mechanisms and Machine Science</i> , 2019, , 257-268.	0.5	7
125	Catalytic potential of bio-synthesized silver nanoparticles using <i>Convolvulus arvensis</i> extract for the degradation of environmental pollutants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 44-52.	3.8	124
126	Characteristics of starch isolated from microwave heat treated lotus ( <i>Nelumbo nucifera</i> ) seed flour. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 219-226.	7.5	44



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127	Hyperbranched Multiarm Copolymers with a UCST Phase Transition: Topological Effect and the Mechanism. <i>Langmuir</i> , 2018, 34, 3058-3067.	3.5	28
128	Horseradish peroxidase immobilization by copolymerization into cross-linked polyacrylamide gel and its dye degradation and detoxification potential. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 983-990.	7.5	75
129	TiO <sub>2</sub> /UV-assisted rhodamine B degradation: putative pathway and identification of intermediates by UPLC/MS. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1533-1543.	2.2	52
130	Toxicological Assessment and UV/TiO <sub>2</sub> -Based Induced Degradation Profile of Reactive Black 5 Dye. <i>Environmental Management</i> , 2018, 61, 171-180.	2.7	47
131	Fluorescent sensor based models for the detection of environmentally-related toxic heavy metals. <i>Science of the Total Environment</i> , 2018, 615, 476-485.	8.0	303
132	Rhodamine-based multianalyte colorimetric probe with potentialities as on-site assay kit and in biological systems. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 115-124.	7.8	54
133	Photocatalytic degradation, toxicological assessment and degradation pathway of C.I. Reactive Blue 19 dye. <i>Chemical Engineering Research and Design</i> , 2018, 129, 384-390.	5.6	68
134	Advancements in biocatalysis: From computational to metabolic engineering. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1861-1868.	14.0	24
135	Graphene and graphene oxide: Functionalization and nano-bio-catalytic system for enzyme immobilization and biotechnological perspective. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1430-1440.	7.5	151
136	Development and characterization of newly engineered chemosensor with intracellular monitoring potentialities and lowest detection of toxic elements. <i>Journal of Molecular Liquids</i> , 2018, 272, 440-449.	4.9	32
137	Diabetic Complications and Insight into Antidiabetic Potentialities of Ethno- Medicinal Plants: A Review. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2018, 12, 7-23.	3.6	20
138	Magnetic nanoparticles as versatile carriers for enzymes immobilization: A review. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2530-2544.	7.5	311
139	Real-time probing of mercury using an efficient "turn-on" strategy with potential as in-field mapping kit and in live cell imaging. <i>New Journal of Chemistry</i> , 2018, 42, 10940-10946.	2.8	37
140	The smart chemistry of stimuli-responsive polymeric carriers for target drug delivery applications. , 2018, , 61-99.		16
141	Peroxidases-assisted removal of environmentally-related hazardous pollutants with reference to the reaction mechanisms of industrial dyes. <i>Science of the Total Environment</i> , 2018, 644, 1-13.	8.0	146
142	Facile synthesis of N- (4-bromophenyl)-1- (3-bromothiophen-2-yl)methanimine derivatives via Suzuki cross-coupling reaction: their characterization and DFT studies. <i>Chemistry Central Journal</i> , 2018, 12, 84.	2.6	16
143	Biosorption: An Interplay between Marine Algae and Potentially Toxic Elements" A Review. <i>Marine Drugs</i> , 2018, 16, 65.	4.6	308
144	"Smart" chemistry and its application in peroxidase immobilization using different support materials. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 278-290.	7.5	150

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145	Redox-responsive nano-carriers as tumor-targeted drug delivery systems. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 705-715.	5.5	114
146	Potentially toxic elements and environmentally-related pollutants recognition using colorimetric and ratiometric fluorescent probes. <i>Science of the Total Environment</i> , 2018, 640-641, 174-193.	8.0	115
147	Synthesis, Self-assembly and Electrode Application of Mussel-inspired Alternating Copolymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 897-904.	3.8	20
148	Tension Distribution Algorithm for Planar Mobile Cable-Driven Parallel Robots. <i>Mechanisms and Machine Science</i> , 2018, , 268-279.	0.5	27
149	Biomedical Potentialities of <i>Taraxacum officinale</i> -based Nanoparticles Biosynthesized Using Methanolic Leaf Extract. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 1116-1123.	1.6	45
150	Selective arylation of phenol protected propyl bromide via Pd-catalysed Suzuki coupling reaction: synthesis, mechanistic studies by DFT calculations and Their Pharmacological Aspects". <i>Acta Polonicae Pharmaceutica</i> , 2018, 75, 911-919.	0.1	2
151	Macromolecular agents with antimicrobial potentialities: A drive to combat antimicrobial resistance. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 554-574.	7.5	74
152	Novel characteristics of horseradish peroxidase immobilized onto the polyvinyl alcohol-alginate beads and its methyl orange degradation potential. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 328-335.	7.5	88
153	Self-assembly and functionalization of alternating copolymer vesicles. <i>Polymer Chemistry</i> , 2017, 8, 4688-4695.	3.9	40
154	Reaction Mechanism and Degradation Pathway of Rhodamine 6G by Photocatalytic Treatment. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	74
155	Green biosynthesis of silver nanoparticles using leaves extract of <i>Artemisia vulgaris</i> and their potential biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 408-415.	5.0	251
156	Development of silver nanoparticles loaded chitosan-alginate constructs with biomedical potentialities. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 393-400.	7.5	96
157	High-value compounds from microalgae with industrial exploitability – A review. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 319-342.	2.1	51
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