

Nagaraj P Shetti

List of Publications by Year in Descending Order

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Version: 2024-04-25

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

232
papers

7,340⁰
citations

52
h-index

77
g-index

243
ext. papers

10,072
ext. citations

5.5
avg, IF

7.19
L-index

#	Paper	IF	Citations
232	Versatile Graphitized Carbon Nanofibers in Energy Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1334-1360	8.3	2
231	ZrO ₂ in biomedical applications 2022 , 471-501		0
230	Fabrication of nanoclay-modified electrodes and their use as an effective electrochemical sensor for biomedical applications. <i>Journal of Molecular Liquids</i> , 2022 , 351, 118583	6	2
229	Hafnium doped tungsten oxide intercalated carbon matrix for electrochemical detection of perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , 2022 , 434, 134700	14.7	1
228	Valorisation of lignocellulosic biomass to value-added products: Paving the pathway towards low-carbon footprint. <i>Fuel</i> , 2022 , 313, 122678	7.1	7
227	Nanostructured electrodes 2022 , 147-175		
226	Carbon and carbon paste electrodes 2022 , 79-114		1
225	Magnetized Activated Carbon Synthesized from Pomegranate Husk for Persulfate Activation and Degradation of 4-Chlorophenol from Wastewater. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1611	2.6	0
224	Electrochemical biosensors for monitoring of bioorganic and inorganic chemical pollutants in biological and environmental matrices 2022 , 509-531		2
223	Electro-sensing base for hazardous pesticide 2, 4-DCP and its quantification in real samples at ZnO@Cu core-shell nanoparticles in the presence of cationic surfactant. <i>Materials Chemistry and Physics</i> , 2022 , 278, 125705	4.4	1
222	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy. <i>Bioresource Technology</i> , 2022 , 343, 126151	11	10
221	Ultra-sensitive detection of tizanidine in commercial tablets and urine samples using zinc oxide coated glassy carbon electrode. <i>Microchemical Journal</i> , 2022 , 172, 106956	4.8	0
220	Hydrogen production technologies - Membrane based separation, storage and challenges. <i>Journal of Environmental Management</i> , 2022 , 302, 113963	7.9	14
219	Remediation of per- and polyfluoroalkyls (PFAS) via electrochemical methods. <i>Chemical Engineering Journal</i> , 2022 , 430, 132895	14.7	11
218	Electrochemical sensors for the detection of SARS-CoV-2 virus. <i>Chemical Engineering Journal</i> , 2022 , 430, 132966	14.7	25
217	Nanostructured graphitic carbon nitride (g-CN)-CTAB modified electrode for the highly sensitive detection of amino-triazole and linuron herbicides. <i>Environmental Research</i> , 2022 , 204, 111856	7.9	8
216	Analysis of herbicide and its applications through a sensitive electrochemical technique based on MWCNTs/ZnO/CPE fabricated sensor. <i>Chemosphere</i> , 2022 , 287, 132086	8.4	6

215	Green synthesis of Cu-doped ZnO nanoparticles and its application for the photocatalytic degradation of hazardous organic pollutants. <i>Chemosphere</i> , 2022 , 287, 132081	8.4	55
214	Materials for wearable sensors 2022 , 5-40		1
213	Catalytic production and application of bio-renewable butyl butyrate as jet fuel blend- A review.. <i>Journal of Environmental Management</i> , 2022 , 310, 114772	7.9	0
212	Novel tungsten disulfide (WS ₂) nanosheets for photocatalytic degradation and electrochemical detection of pharmaceutical pollutants. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102717	6.7	1
211	Strategies, advances, and challenges associated with the use of graphene-based nanocomposites for electrochemical biosensors.. <i>Advances in Colloid and Interface Science</i> , 2022 , 304, 102664	14.3	7
210	Analytical methods for Ebola virus detection. <i>Microchemical Journal</i> , 2022 , 178, 107333	4.8	
209	Two-dimensional ultrathin metal-based nanosheets for photocatalytic CO conversion to solar fuels.. <i>Journal of Environmental Management</i> , 2022 , 313, 114916	7.9	2
208	Hf-Doped Tungsten Oxide Nanorods as Electrode Materials for Electrochemical Detection of Paracetamol and Salbutamol. <i>ACS Applied Nano Materials</i> , 2022 , 5, 1263-1275	5.6	4
207	Development of 2D graphene oxide sheets-based voltammetric sensor for electrochemical sensing of fungicide, carbendazim.. <i>Chemosphere</i> , 2022 , 134919	8.4	1
206	Fast and facile electrochemical detection and determination of fungicide carbendazim at titanium dioxide designed carbon-based sensor. <i>Materials Chemistry and Physics</i> , 2022 , 285, 126131	4.4	1
205	An amperometric sensor composed of carbon hybrid-structure for the degradation of aminotriazole herbicide. <i>Environmental Research</i> , 2022 , 212, 113541	7.9	2
204	Engineered biochar: A way forward to environmental remediation. <i>Fuel</i> , 2021 , 122510	7.1	1
203	Graphene/g-carbon nitride (GO/g-CN) nanohybrids as a sensor material for the detection of methyl parathion and carbendazim.. <i>Chemosphere</i> , 2021 , 292, 133450	8.4	5
202	Electrochemical investigations-based on ZnO@Cu core-shell in presence of CTAB surfactant for 4-Chlorophenol. <i>Environmental Technology and Innovation</i> , 2021 , 24, 102029	7	2
201	Electrochemical investigations for COVID-19 detection-A comparison with other viral detection methods. <i>Chemical Engineering Journal</i> , 2021 , 420, 127575	14.7	38
200	Advances in transition metal dichalcogenide-based two-dimensional nanomaterials. <i>Materials Today Chemistry</i> , 2021 , 19, 100399	6.2	21
199	Empirical modeling and kinetic study of methylene blue removal from synthetic wastewater by activation of persulfate with heterogeneous Fenton-like process. <i>Journal of Molecular Liquids</i> , 2021 , 328, 115408	6	2
198	Enhanced removal of humic acid from aqueous solution by combined alternating current electrocoagulation and sulfate radical. <i>Environmental Pollution</i> , 2021 , 277, 116632	9.3	8

197	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks [A review]. <i>Energy Conversion and Management</i> , 2021 , 236, 114038	10.6	34
196	Photocatalytic hydrogen production by ternary heterojunction composites of silver nanoparticles doped FCNT-TiO. <i>Journal of Environmental Management</i> , 2021 , 286, 112130	7.9	11
195	Biomass utilization and production of biofuels from carbon neutral materials. <i>Environmental Pollution</i> , 2021 , 276, 116731	9.3	46
194	Analytical methods for detection of human cytomegalovirus clinched biosensor a cutting-edge diagnostic tool. <i>Biomedical Engineering Advances</i> , 2021 , 1, 100006		5
193	Recent advances and viability in biofuel production. <i>Energy Conversion and Management: X</i> , 2021 , 10, 100070	2.5	22
192	Novel graphene-nanoclay hybrid electrodes for electrochemical determination of theophylline. <i>Microchemical Journal</i> , 2021 , 165, 106115	4.8	8
191	Point of care detection of COVID-19: Advancement in biosensing and diagnostic methods. <i>Chemical Engineering Journal</i> , 2021 , 414, 128759	14.7	51
190	Versatile fullerenes as sensor materials. <i>Materials Today Chemistry</i> , 2021 , 20, 100454	6.2	9
189	Cholesterol intercalated 2D graphene oxide sheets fabricated sensor for voltammetric analysis of theophylline. <i>FlatChem</i> , 2021 , 28, 100255	5.1	7
188	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , 2021 , 279, 111603	7.9	11
187	Glucose modified carbon paste sensor in the presence of cationic surfactant for mefenamic acid detection in urine and pharmaceutical samples. <i>Microchemical Journal</i> , 2021 , 160, 105599	4.8	15
186	Microplastics in the environment: Occurrence, perils, and eradication. <i>Chemical Engineering Journal</i> , 2021 , 408, 127317	14.7	42
185	Synthesis of Ca-doped ZnO nanoparticles and its application as highly efficient electrochemical sensor for the determination of anti-viral drug, acyclovir. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114552 ⁶		30
184	Ultra-small zinc oxide nanosheets anchored onto sodium bismuth sulfide nanoribbons as solar-driven photocatalysts for removal of toxic pollutants and photoelectrocatalytic water oxidation. <i>Chemosphere</i> , 2021 , 267, 128559	8.4	22
183	A novel sensor based on WO ₃ .33HO nanorods modified electrode for the detection and degradation of herbicide, carbendazim. <i>Journal of Environmental Management</i> , 2021 , 279, 111611	7.9	20
182	Fabrication of activated carbon from pomegranate husk by dual consecutive chemical activation for 4-chlorophenol adsorption. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 13919-13930	5.1	7
181	Adsorption of 4-chlorophenol by magnetized activated carbon from pomegranate husk using dual stage chemical activation. <i>Chemosphere</i> , 2021 , 270, 128623	8.4	14
180	Highly sensitive electrochemical assay for selective detection of Aminotriazole based on TiO ₂ /poly(CTAB) modified sensor. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101222	7	17

179	Conventional and Nanotechnology-Based Sensing Methods for SARS Coronavirus (2019-nCoV). <i>ACS Applied Bio Materials</i> , 2021 , 4, 1178-1190	4.1	20
178	Biosensors Based on MnO ₂ Nanostructures: A Review. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2285-2302	5.6	19
177	Highly sensitive electrochemical sensor for the detection and quantification of Linuron based on silica gel modified carbon paste electrode. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101687	7	8
176	Advanced oxidation of 4-chlorophenol via combined pulsed light and sulfate radicals methods: Effect of co-existing anions. <i>Journal of Environmental Management</i> , 2021 , 291, 112595	7.9	9
175	Gram-scale synthesis of ZnS/NiO core-shell hierarchical nanostructures and their enhanced H ₂ production in crude glycerol and sulphide wastewater. <i>Environmental Research</i> , 2021 , 199, 111323	7.9	6
174	Metal chalcogenide-based core/shell photocatalysts for solar hydrogen production: Recent advances, properties and technology challenges. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125588	12.8	10
173	In-vitro evaluation of antioxidant and anticholinesterase activities of novel pyridine, quinoxaline and s-triazine derivatives. <i>Environmental Research</i> , 2021 , 199, 111320	7.9	11
172	Synthesis of ruthenium doped titanium dioxide nanoparticles for the electrochemical detection of diclofenac sodium. <i>Journal of Molecular Liquids</i> , 2021 , 340, 116891	6	5
171	Photocatalytic water splitting hydrogen production via environmental benign carbon based nanomaterials. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 33696-33717	6.7	27
170	Identification and removal of micro- and nano-plastics: Efficient and cost-effective methods. <i>Chemical Engineering Journal</i> , 2021 , 421, 129816-129816	14.7	16
169	Clay-based carbon sensor for electro-oxidation of nimesulide. <i>Materials Chemistry and Physics</i> , 2021 , 272, 124992	4.4	4
168	Synthesis of novel CoO nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. <i>Journal of Environmental Management</i> , 2021 , 298, 113484	7.9	2
167	Amberlite XAD-4 based electrochemical sensor for diclofenac detection in urine and commercial tablets. <i>Materials Chemistry and Physics</i> , 2021 , 273, 125044	4.4	4
166	2D materials and its heterostructured photocatalysts: Synthesis, properties, functionalization and applications in environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106408	6.8	6
165	Detection of ketorolac drug using pencil graphite electrode. <i>Biomedical Engineering Advances</i> , 2021 , 2, 100009		4
164	Photocatalytic carbon dioxide reduction: Exploring the role of ultrathin 2D graphitic carbon nitride (g-C ₃ N ₄). <i>Chemical Engineering Journal</i> , 2021 , 425, 131402	14.7	15
163	Photocatalytic conversion of CO ₂ into valuable products using emerging two-dimensional graphene-based nanomaterials: A step towards sustainability. <i>Chemical Engineering Journal</i> , 2021 , 425, 131401	14.7	4
162	Synergistic degradation of 4-chlorophenol by persulfate and oxalic acid mixture with heterogeneous Fenton like system for wastewater treatment: Adaptive neuro-fuzzy inference systems modeling. <i>Journal of Environmental Management</i> , 2020 , 268, 110678	7.9	21

161	Current treatment protocol for COVID-19 in India. <i>Sensors International</i> , 2020 , 1, 100013	6.1	13
160	Molecular insights and novel approaches for targeting tumor metastasis. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119556	6.5	33
159	Invasion of novel corona virus (COVID-19) in Indian territory. <i>Sensors International</i> , 2020 , 1, 100012	6.1	13
158	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. <i>Materials Science for Energy Technologies</i> , 2020 , 3, 515-525	5.2	8
157	Sustainable energy from waste organic matters via efficient microbial processes. <i>Science of the Total Environment</i> , 2020 , 722, 137927	10.2	44
156	Electrochemical behavior of diclofenac sodium at coreshell nanostructure modified electrode and its analysis in human urine and pharmaceutical samples. <i>Sensors International</i> , 2020 , 1, 100002	6.1	27
155	Electroanalysis of Carbendazim using MWCNT/Ca-ZnO Modified Electrode. <i>Electroanalysis</i> , 2020 , 32, 1590-1599	3	33
154	Skin-Patchable Electrodes for Biosensor Applications: A Review. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1823-1835	5.5	54
153	Electrocatalytic detection of herbicide, amitrole at WO ₃ /3.3HO modified carbon paste electrode for environmental applications. <i>Science of the Total Environment</i> , 2020 , 743, 140691	10.2	21
152	Retention of atenolol from single and binary aqueous solutions by thin film composite nanofiltration membrane: Transport modeling and pore radius estimation. <i>Journal of Environmental Management</i> , 2020 , 271, 111005	7.9	8
151	Biohydrogen Production from Organic Waste – A Review. <i>Chemical Engineering and Technology</i> , 2020 , 43, 1240-1248	2	30
150	Development of a novel nanosensor using Ca-doped ZnO for antihistamine drug. <i>Materials Chemistry and Physics</i> , 2020 , 246, 122791	4.4	47
149	Hetero-nanostructured iron oxide and bentonite clay composite assembly for the determination of an antiviral drug acyclovir. <i>Microchemical Journal</i> , 2020 , 155, 104727	4.8	34
148	Copper-doped ZrO nanoparticles as high-performance catalysts for efficient removal of toxic organic pollutants and stable solar water oxidation. <i>Journal of Environmental Management</i> , 2020 , 260, 110088	7.9	87
147	Waste-to-energy nexus for circular economy and environmental protection: Recent trends in hydrogen energy. <i>Science of the Total Environment</i> , 2020 , 713, 136633	10.2	129
146	Recent developments in ionic liquid-based electrolytes for energy storage supercapacitors and rechargeable batteries 2020 , 199-221		7
145	Z-scheme binary 1D ZnWO nanorods decorated 2D NiFeO nanoplates as photocatalysts for high efficiency photocatalytic degradation of toxic organic pollutants from wastewater. <i>Journal of Environmental Management</i> , 2020 , 268, 110677	7.9	51
144	Amberlite XAD-4 modified electrodes for highly sensitive electrochemical determination of nimesulide in human urine. <i>Microchemical Journal</i> , 2020 , 153, 104389	4.8	37

143	Novel ruthenium doped TiO ₂ /reduced graphene oxide hybrid as highly selective sensor for the determination of ambroxol. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112368	6	52
142	Biosensor nanoengineering: Design, operation, and implementation for biomolecular analysis. <i>Sensors International</i> , 2020 , 1, 100040	6.1	99
141	2D/2d heterojunction of MoS ₂ /g-CN nanoflowers for enhanced visible-light-driven photocatalytic and electrochemical degradation of organic pollutants. <i>Journal of Environmental Management</i> , 2020 , 274, 111208	7.9	68
140	Electrocatalytic behavior of a heterostructured nanocomposite sensor for aminotriazole. <i>New Journal of Chemistry</i> , 2020 , 44, 19376-19384	3.6	15
139	The COVID-19 paradox: Impact on India and developed nations of the world. <i>Sensors International</i> , 2020 , 1, 100026	6.1	9
138	Indians vs.COVID-19: The scenario of mental health. <i>Sensors International</i> , 2020 , 1, 100038	6.1	9
137	Waste-to-energy nexus: A sustainable development. <i>Environmental Pollution</i> , 2020 , 267, 115501	9.3	56
136	Graphene/graphitic carbon nitride-based ternary nanohybrids: Synthesis methods, properties, and applications for photocatalytic hydrogen production. <i>FlatChem</i> , 2020 , 24, 100200	5.1	38
135	Novel layered structured bentonite clay-based electrodes for electrochemical sensor applications. <i>Microchemical Journal</i> , 2020 , 159, 105441	4.8	20
134	Fundamentals, recent advances, and perspectives of electrode materials for bioelectrochemical sensing applications 2020 , 557-589		1
133	Poly(eriochrome black T) modified electrode for electrosensing of methdilazine. <i>Materials Science in Semiconductor Processing</i> , 2020 , 120, 105261	4.3	21
132	CTAB modified Fe-WO ₃ as an electrochemical detector of amitrole by catalytic oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104580	6.8	28
131	A multiagent-based hexagon shape approach for shortest path computation in wireless sensors network. <i>Sensors International</i> , 2020 , 1, 100056	6.1	2
130	Ultrasonication and electrochemically-assisted synthesis of reduced graphene oxide nanosheets for electrochemical sensor applications. <i>FlatChem</i> , 2020 , 23, 100183	5.1	23
129	Sustainable environmental management and related biofuel technologies. <i>Journal of Environmental Management</i> , 2020 , 273, 111096	7.9	62
128	Electroanalytical techniques for investigating biofilms: Applications in biosensing and biomolecular interfacing 2020 , 293-329		3
127	Nanostructured Ba/ZnO modified electrode as a sensor material for detection of organosulfur thiosalicylic acid. <i>Microchemical Journal</i> , 2020 , 159, 105409	4.8	16
126	Functional nanostructured metal oxides and its hybrid electrodes [Recent advancements in electrochemical biosensing applications. <i>Microchemical Journal</i> , 2020 , 159, 105522	4.8	18

125	Electrochemical Multiplexed Paper Nanosensor for Specific Dengue Serotype Detection Predicting Pervasiveness of DHF/DSS. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5886-5894	5.5	14
124	Hetero-nanostructured metal oxide-based hybrid photocatalysts for enhanced photoelectrochemical water splitting □ A review. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18331-18347 ^{6.7} ¹⁰⁶	6.7	132
123	Metal-organic frameworks (MOFs)-based efficient heterogeneous photocatalysts: Synthesis, properties and its applications in photocatalytic hydrogen generation, CO ₂ reduction and photodegradation of organic dyes. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 7656-7679	6.7	132
122	Efficient removal of toxic organic dyes and photoelectrochemical properties of iron-doped zirconia nanoparticles. <i>Chemosphere</i> , 2020 , 239, 124766	8.4	102
121	Novel nanoclay-based electrochemical sensor for highly efficient electrochemical sensing nimesulide. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 137, 109210	3.9	36
120	Biofuels, biodiesel and biohydrogen production using bioprocesses. A review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1049-1072	13.3	82
119	Novel biosensor for efficient electrochemical detection of methdilazine using carbon nanotubes-modified electrodes. <i>Materials Research Express</i> , 2019 , 6, 116308	1.7	25
118	Silica gel-modified electrode as an electrochemical sensor for the detection of acetaminophen. <i>Microchemical Journal</i> , 2019 , 150, 104206	4.8	32
117	Nanostructured organic and inorganic materials for Li-ion batteries: A review. <i>Materials Science in Semiconductor Processing</i> , 2019 , 104, 104684	4.3	37
116	A novel sensor based on graphene oxide nanoparticles for the detection and analysis of an antihistamine drug. <i>Materials Today: Proceedings</i> , 2019 , 18, 780-787	1.4	1
115	Nanosilica modified sensor for the electro-oxidation and determination of an antihistamine drug. <i>Materials Today: Proceedings</i> , 2019 , 18, 1562-1567	1.4	
114	Voltammetric detection and determination of mefenamic acid at silver-doped TiO ₂ nanoparticles modified electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 671-678	1.4	3
113	Voltammetry and analytical applications of hydrochlorothiazide at graphene oxide modified glassy carbon electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 542-549	1.4	2
112	Applications of zinc oxide nanoparticles as an electrode modifier for ambroxol. <i>Materials Today: Proceedings</i> , 2019 , 18, 963-967	1.4	3
111	Electro oxidation and analytical applications of nimesulide at graphene oxide and reduced graphene oxide modified carbon paste electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 751-758	1.4	5
110	Electrochemical oxidation of food dye at nanosilica modified carbon electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 798-805	1.4	2
109	Electro-sensing base for herbicide aclonifen at graphitic carbon nitride modified carbon electrode □ Water and soil sample analysis. <i>Microchemical Journal</i> , 2019 , 149, 103976	4.8	66
108	ZnO-based nanostructured electrodes for electrochemical sensors and biosensors in biomedical applications. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111417	11.8	199

107	A novel biosensor based on graphene oxide-nanoclay hybrid electrode for the detection of Theophylline for healthcare applications. <i>Microchemical Journal</i> , 2019 , 149, 103985	4.8	45
106	Membranes for dehydration of alcohols via pervaporation. <i>Journal of Environmental Management</i> , 2019 , 242, 415-429	7.9	62
105	Electrochemical Sensors and Biosensors Based on Graphene Functionalized with Metal Oxide Nanostructures for Healthcare Applications. <i>ChemistrySelect</i> , 2019 , 4, 5322-5337	1.8	93
104	Functionalized magnetic nanoparticles/biopolymer hybrids: Synthesis methods, properties and biomedical applications. <i>Methods in Microbiology</i> , 2019 , 46, 227-254	2.8	25
103	Electro-oxidation and determination of nimesulide at nanosilica modified sensor. <i>Materials Science for Energy Technologies</i> , 2019 , 2, 396-400	5.2	18
102	Graphitic carbon nitride (g-C ₃ N ₄)Based metal-free photocatalysts for water splitting: A review. <i>Carbon</i> , 2019 , 149, 693-721	10.4	412
101	Photocatalytic recovery of H ₂ from H ₂ S containing wastewater: Surface and interface control of photo-excitons in Cu ₂ S@TiO ₂ core-shell nanostructures. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 174-185	21.8	167
100	Polymeric graphitic carbon nitride (g-CN)-based semiconducting nanostructured materials: Synthesis methods, properties and photocatalytic applications. <i>Journal of Environmental Management</i> , 2019 , 238, 25-40	7.9	232
99	A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 10453-10472	6.7	148
98	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 385-394	6	122
97	Metal oxide nanohybrids-based low-temperature sensors for NO ₂ detection: a short review. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 8160-8170	2.1	19
96	Electro-Catalytic Behavior of Mg-Doped ZnO Nano-Flakes for Oxidation of Anti-Inflammatory Drug. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3072-B3078	3.9	67
95	Electrochemical behavior of flufenamic acid at amberlite XAD-4 resin and silver-doped titanium dioxide/ amberlite XAD-4 resin modified carbon electrodes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 407-415	6	69
94	Sustainable hydrogen production for the greener environment by quantum dots-based efficient photocatalysts: A review. <i>Journal of Environmental Management</i> , 2019 , 248, 109246	7.9	80
93	Nanostructured silver doped TiO ₂ /CNTs hybrid as an efficient electrochemical sensor for detection of anti-inflammatory drug, cetirizine. <i>Microchemical Journal</i> , 2019 , 150, 104124	4.8	63
92	Novel heterostructured Ru-doped TiO ₂ /CNTs hybrids with enhanced electrochemical sensing performance for Cetirizine. <i>Materials Research Express</i> , 2019 , 6, 115085	1.7	16
91	Modernization of Biosensing Strategies for the Development of Lab-on-Chip Integrated Systems 2019 , 325-342		15
90	Electroanalysis of 1,3βimethylexanthine at zinc oxide nanoparticles modified electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 590-595	1.4	4

89	TiO ₂ nanoparticles modified sensor for theophylline drug. <i>Materials Today: Proceedings</i> , 2019 , 18, 606-6124	1.4	4
88	Electrochemical behavior of mefenamic acid at graphene oxide modified carbon paste electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 582-589	1.4	3
87	Fabrication of multi-walled carbon nanotubes and ZnO nanoparticles composite electrode as a sensor for paracetamol. <i>Materials Today: Proceedings</i> , 2019 , 18, 1124-1131	1.4	12
86	Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine. <i>Applied Surface Science</i> , 2019 , 496, 143656	6.7	85
85	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production - A review. <i>Journal of Environmental Management</i> , 2019 , 250, 109486	7.9	140
84	Voltammetric sensor for secretolytic agent ambroxol at titanium dioxide nanoparticles modified electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 941-946	1.4	0
83	Electroanalysis of paracetamol at nanoclay modified graphite electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 986-993	1.4	8
82	Nano level detection and analysis of an antiviral drug at ZnO nanoparticles modified sensor. <i>Materials Today: Proceedings</i> , 2019 , 18, 1568-1573	1.4	7
81	Electro oxidation and analytical applications of valacyclovir at reduced graphene oxide modified carbon paste electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 550-557	1.4	3
80	Electroanalysis of an antihistamine drug at nano structured modified electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 558-565	1.4	1
79	Barium titanate nanostructures for photocatalytic hydrogen generation and photodegradation of chemical pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 20646-20653	2.1	71
78	Clay coated carbon electrode sensor for a food dye sunset yellow. <i>Materials Today: Proceedings</i> , 2019 , 18, 1116-1123	1.4	1
77	Carbon Cloth-based Hybrid Materials as Flexible Electrochemical Supercapacitors. <i>ChemElectroChem</i> , 2019 , 6, 5771-5786	4.3	73
76	Electrosensing tool for nonsteroidal drug flufenamic acid at multiwalled carbon nanotubes modified graphite electrode. <i>Materials Today: Proceedings</i> , 2019 , 18, 679-686	1.4	2
75	Development of a sensor for thiosalicylic acid at MWCNT modified gold. <i>Materials Today: Proceedings</i> , 2019 , 18, 723-730	1.4	2
74	ZnO nanoparticles modified sensor for the electroanalysis of thiosalicylic acid. <i>Materials Today: Proceedings</i> , 2019 , 18, 710-716	1.4	3
73	A Novel Electrochemical Sensor for Detection of Molinate Using ZnO Nanoparticles Loaded Carbon Electrode. <i>Electroanalysis</i> , 2019 , 31, 1040-1049	3	66
72	Role of conducting polymer and metal oxide-based hybrids for applications in amperometric sensors and biosensors. <i>Microchemical Journal</i> , 2019 , 147, 7-24	4.8	181

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