

Nagaraj P Shetti

List of Publications by Year in descending order

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240
papers

12,832
citations

14614

66
h-index

31759

101
g-index

243
all docs

243
docs citations

243
times ranked

7911
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic carbon nitride (g-C ₃ N ₄)-based metal-free photocatalysts for water splitting: A review. Carbon, 2019, 149, 693-721.	5.4	618
2	Polymeric graphitic carbon nitride (g-C ₃ N ₄)-based semiconducting nanostructured materials: Synthesis methods, properties and photocatalytic applications. Journal of Environmental Management, 2019, 238, 25-40.	3.8	321
3	ZnO-based nanostructured electrodes for electrochemical sensors and biosensors in biomedical applications. Biosensors and Bioelectronics, 2019, 141, 111417.	5.3	300
4	Role of conducting polymer and metal oxide-based hybrids for applications in amperometric sensors and biosensors. Microchemical Journal, 2019, 147, 7-24.	2.3	279
5	Green synthesis of Cu-doped ZnO nanoparticles and its application for the photocatalytic degradation of hazardous organic pollutants. Chemosphere, 2022, 287, 132081.	4.2	260
6	Waste-to-energy nexus for circular economy and environmental protection: Recent trends in hydrogen energy. Science of the Total Environment, 2020, 713, 136633.	3.9	249
7	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. International Journal of Hydrogen Energy, 2020, 45, 7656-7679.	3.8	214
8	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production – A review. Journal of Environmental Management, 2019, 250, 109486.	3.8	211
9	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. Applied Catalysis B: Environmental, 2019, 254, 174-185.	10.8	209
10	Biosensor nanoengineering: Design, operation, and implementation for biomolecular analysis. Sensors International, 2020, 1, 100040.	4.9	205
11	A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 10453-10472.	3.8	194
12	Hetero-nanostructured metal oxide-based hybrid photocatalysts for enhanced photoelectrochemical water splitting – A review. International Journal of Hydrogen Energy, 2020, 45, 18331-18347.	3.8	185
13	Electrochemical detection and degradation of textile dye Congo red at graphene oxide modified electrode. Microchemical Journal, 2019, 146, 387-392.	2.3	160
14	Biomass utilization and production of biofuels from carbon neutral materials. Environmental Pollution, 2021, 276, 116731.	3.7	160
15	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. Colloids and Surfaces B: Biointerfaces, 2019, 178, 385-394.	2.5	156
16	Sensors based on ruthenium-doped TiO ₂ nanoparticles loaded into multi-walled carbon nanotubes for the detection of flufenamic acid and mefenamic acid. Analytica Chimica Acta, 2019, 1051, 58-72.	2.6	154
17	2D/2d heterojunction of MoS ₂ /g-C ₃ N ₄ nanoflowers for enhanced visible-light-driven photocatalytic and electrochemical degradation of organic pollutants. Journal of Environmental Management, 2020, 274, 111208.	3.8	145
18	Electrochemical Sensors and Biosensors Based on Graphene Functionalized with Metal Oxide Nanostructures for Healthcare Applications. ChemistrySelect, 2019, 4, 5322-5337.	0.7	140

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19	Efficient removal of toxic organic dyes and photoelectrochemical properties of iron-doped zirconia nanoparticles. <i>Chemosphere</i> , 2020, 239, 124766.	4.2	140
20	Microplastics in the environment: Occurrence, perils, and eradication. <i>Chemical Engineering Journal</i> , 2021, 408, 127317.	6.6	137
21	Sustainable environmental management and related biofuel technologies. <i>Journal of Environmental Management</i> , 2020, 273, 111096.	3.8	132
22	Biofuels, biodiesel and biohydrogen production using bioprocesses. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1049-1072.	8.3	131
23	Carbon Cloth-based Hybrid Materials as Flexible Electrochemical Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 5771-5786.	1.7	129
24	An electrochemical sensor for clozapine at ruthenium doped TiO ₂ nanoparticles modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 858-867.	4.0	124
25	Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine. <i>Applied Surface Science</i> , 2019, 496, 143656.	3.1	124
26	Sustainable hydrogen production for the greener environment by quantum dots-based efficient photocatalysts: A review. <i>Journal of Environmental Management</i> , 2019, 248, 109246.	3.8	122
27	Copper-doped ZrO ₂ 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.	3.8	121
28	Electrochemical behavior of an antiviral drug acyclovir at fullerene-C ₆₀ -modified glassy carbon electrode. <i>Bioelectrochemistry</i> , 2012, 88, 76-83.	2.4	119
29	Electrochemical sensors for the detection of SARS-CoV-2 virus. <i>Chemical Engineering Journal</i> , 2022, 430, 132966.	6.6	115
30	Photocatalytic water splitting hydrogen production via environmental benign carbon based nanomaterials. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33696-33717.	3.8	113
31	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.	4.8	111
32	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.	1.1	110
33	Waste-to-energy nexus: A sustainable development. <i>Environmental Pollution</i> , 2020, 267, 115501.	3.7	106
34	Z-scheme binary 1D ZnWO ₄ nanorods decorated 2D NiFe ₂ O ₄ nanoplates as photocatalysts for high efficiency photocatalytic degradation of toxic organic pollutants from wastewater. <i>Journal of Environmental Management</i> , 2020, 268, 110677.	3.8	106
35	Electrochemical behavior of an anticancer drug 5-fluorouracil at methylene blue modified carbon paste electrode. <i>Materials Science and Engineering C</i> , 2016, 65, 262-268.	3.8	103
36	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.	7.0	102

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37	Point of care detection of COVID-19: Advancement in biosensing and diagnostic methods. Chemical Engineering Journal, 2021, 414, 128759.	6.6	100
38	Skin-Patchable Electrodes for Biosensor Applications: A Review. ACS Biomaterials Science and Engineering, 2020, 6, 1823-1835.	2.6	98
39	Electrochemical Sensor Based upon Ruthenium Doped TiO ₂ Nanoparticles for the Determination of Flufenamic Acid. Journal of the Electrochemical Society, 2017, 164, B3036-B3042.	1.3	92
40	Electro-sensing base for herbicide aclonifen at graphitic carbon nitride modified carbon electrode " Water and soil sample analysis. Microchemical Journal, 2019, 149, 103976.	2.3	92
41	Nanostructured silver doped TiO ₂ /CNTs hybrid as an efficient electrochemical sensor for detection of anti-inflammatory drug, cetirizine. Microchemical Journal, 2019, 150, 104124.	2.3	91
42	Membranes for dehydration of alcohols via pervaporation. Journal of Environmental Management, 2019, 242, 415-429.	3.8	91
43	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks " A review. Energy Conversion and Management, 2021, 236, 114038.	4.4	91
44	Electrode materials for lithium-ion batteries. Materials Science for Energy Technologies, 2018, 1, 182-187.	1.0	89
45	Voltammetric behavior of theophylline and its determination at multi-wall carbon nanotube paste electrode. Colloids and Surfaces B: Biointerfaces, 2012, 97, 1-6.	2.5	88
46	Electro-Catalytic Behavior of Mg-Doped ZnO Nano-Flakes for Oxidation of Anti-Inflammatory Drug. Journal of the Electrochemical Society, 2019, 166, B3072-B3078.	1.3	88
47	A Novel Electrochemical Sensor for Detection of Molinate Using ZnO Nanoparticles Loaded Carbon Electrode. Electroanalysis, 2019, 31, 1040-1049.	1.5	88
48	Development of a novel nanosensor using Ca-doped ZnO for antihistamine drug. Materials Chemistry and Physics, 2020, 246, 122791.	2.0	85
49	Electro-oxidation and determination of gabapentin at gold electrode. Journal of Electroanalytical Chemistry, 2009, 635, 51-57.	1.9	82
50	Sustainable energy from waste organic matters via efficient microbial processes. Science of the Total Environment, 2020, 722, 137927.	3.9	81
51	Electroanalysis of Carbendazim using MWCNT/CaZnO Modified Electrode. Electroanalysis, 2020, 32, 1590-1599.	1.5	81
52	Electrochemical behavior of flufenamic acid at amberlite XAD-4 resin and silver-doped titanium dioxide/ amberlite XAD-4 resin modified carbon electrodes. Colloids and Surfaces B: Biointerfaces, 2019, 177, 407-415.	2.5	80
53	Graphene/graphitic carbon nitride-based ternary nanohybrids: Synthesis methods, properties, and applications for photocatalytic hydrogen production. FlatChem, 2020, 24, 100200.	2.8	80
54	Novel ruthenium doped TiO ₂ /reduced graphene oxide hybrid as highly selective sensor for the determination of ambroxol. Journal of Molecular Liquids, 2020, 300, 112368.	2.3	79

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55	Electro-sensing base for mefenamic acid on a 5% barium-doped zinc oxide nanoparticle modified electrode and its analytical application. RSC Advances, 2015, 5, 104891-104899.	1.7	76
56	Nano molar detection of acyclovir, an antiviral drug at nanoclay modified carbon paste electrode. Sensing and Bio-Sensing Research, 2017, 14, 39-46.	2.2	76
57	Electrochemical behavior of thiosalicylic acid at β -Fe ₂ O ₃ nanoparticles and clay composite carbon electrode. Electrochimica Acta, 2018, 269, 204-211.	2.6	76
58	Electrochemical investigations for COVID-19 detection-A comparison with other viral detection methods. Chemical Engineering Journal, 2021, 420, 127575.	6.6	76
59	Biohydrogen Production from Organic Waste – A Review. Chemical Engineering and Technology, 2020, 43, 1240-1248.	0.9	76
60	A novel sensor for a food dye erythrosine at glucose modified electrode. Sensors and Actuators B: Chemical, 2016, 230, 140-148.	4.0	75
61	Fabrication of a TiO ₂ and clay nanoparticle composite electrode as a sensor. Analytical Methods, 2017, 9, 4387-4393.	1.3	74
62	Electrochemical oxidation of nimesulide in aqueous acid solutions based on TiO ₂ nanostructure modified electrode as a sensor. Journal of Electroanalytical Chemistry, 2016, 778, 103-109.	1.9	73
63	A novel biosensor based on graphene oxide-nanoclay hybrid electrode for the detection of Theophylline for healthcare applications. Microchemical Journal, 2019, 149, 103985.	2.3	73
64	Electro-oxidation of nimesulide at 5% barium-doped zinc oxide nanoparticle modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2016, 762, 37-42.	1.9	71
65	Biosensors Based on MnO ₂ Nanostructures: A Review. ACS Applied Nano Materials, 2021, 4, 2285-2302.	2.4	71
66	Electro-oxidation of captopril at a gold electrode and its determination in pharmaceuticals and human fluids. Analytical Methods, 2015, 7, 8673-8682.	1.3	69
67	Construction of nanoparticles composite sensor for atorvastatin and its determination in pharmaceutical and urine samples. Sensors and Actuators B: Chemical, 2018, 255, 1462-1470.	4.0	69
68	Silver-Doped Titania Modified Carbon Electrode for Electrochemical Studies of Furantril. ECS Journal of Solid State Science and Technology, 2018, 7, Q3215-Q3220.	0.9	69
69	Photocatalytic carbon dioxide reduction: Exploring the role of ultrathin 2D graphitic carbon nitride (g-C ₃ N ₄). Chemical Engineering Journal, 2021, 425, 131402.	6.6	68
70	Voltammetric oxidation and determination of loop diuretic furosemide at a multi-walled carbon nanotubes paste electrode. Electrochimica Acta, 2012, 60, 95-101.	2.6	67
71	Valorisation of lignocellulosic biomass to value-added products: Paving the pathway towards low-carbon footprint. Fuel, 2022, 313, 122678.	3.4	66
72	Electrooxidation and determination of flufenamic acid at graphene oxide modified carbon electrode. Surfaces and Interfaces, 2017, 9, 107-113.	1.5	64

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73	Hydrogen production technologies - Membrane based separation, storage and challenges. Journal of Environmental Management, 2022, 302, 113963.	3.8	64
74	Recent advances and viability in biofuel production. Energy Conversion and Management: X, 2021, 10, 100070.	0.9	63
75	Remediation of per- and polyfluoroalkyls (PFAS) via electrochemical methods. Chemical Engineering Journal, 2022, 430, 132895.	6.6	63
76	Synthesis of Ca-doped ZnO nanoparticles and its application as highly efficient electrochemical sensor for the determination of anti-viral drug, acyclovir. Journal of Molecular Liquids, 2021, 322, 114552.	2.3	62
77	Electro-oxidation and determination of trazodone at multi-walled carbon nanotube-modified glassy carbon electrode. Talanta, 2009, 79, 361-368.	2.9	60
78	Ultra-small zinc oxide nanosheets anchored onto sodium bismuth sulfide nanoribbons as solar-driven photocatalysts for removal of toxic pollutants and photoelectrocatalytic water oxidation. Chemosphere, 2021, 267, 128559.	4.2	59
79	Novel Co and Ni metal nanostructures as efficient photocatalysts for photodegradation of organic dyes. Materials Research Express, 2019, 6, 125502.	0.8	57
80	Electrochemical Sensor for the Determination of Anticancer Drug 5- Fluorouracil at Glucose Modified Electrode. ChemistrySelect, 2016, 1, 771-777.	0.7	55
81	Molecular insights and novel approaches for targeting tumor metastasis. International Journal of Pharmaceutics, 2020, 585, 119556.	2.6	55
82	Nanostructured organic and inorganic materials for Li-ion batteries: A review. Materials Science in Semiconductor Processing, 2019, 104, 104684.	1.9	54
83	Determination of dopamine in presence of ascorbic acid and uric acid using poly (Spands Reagent) modified carbon paste electrode. Materials Science and Engineering C, 2015, 57, 378-386.	3.8	53
84	Amberlite XAD-4 modified electrodes for highly sensitive electrochemical determination of nimesulide in human urine. Microchemical Journal, 2020, 153, 104389.	2.3	50
85	Functional nanostructured metal oxides and its hybrid electrodes – Recent advancements in electrochemical biosensing applications. Microchemical Journal, 2020, 159, 105522.	2.3	50
86	Hetero-nanostructured iron oxide and bentonite clay composite assembly for the determination of an antiviral drug acyclovir. Microchemical Journal, 2020, 155, 104727.	2.3	50
87	Advances in transition metal dichalcogenide-based two-dimensional nanomaterials. Materials Today Chemistry, 2021, 19, 100399.	1.7	50
88	Identification and removal of micro- and nano-plastics: Efficient and cost-effective methods. Chemical Engineering Journal, 2021, 421, 129816.	6.6	50
89	Novel layered structured bentonite clay-based electrodes for electrochemical sensor applications. Microchemical Journal, 2020, 159, 105441.	2.3	48
90	Highly sensitive electrochemical assay for selective detection of Aminotriazole based on TiO ₂ /poly(CTAB) modified sensor. Environmental Technology and Innovation, 2021, 21, 101222.	3.0	47

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91	Graphene/g-carbon nitride (GO/g-C ₃ N ₄) nanohybrids as a sensor material for the detection of methyl parathion and carbendazim. <i>Chemosphere</i> , 2022, 292, 133450.	4.2	47
92	Silica gel-modified electrode as an electrochemical sensor for the detection of acetaminophen. <i>Microchemical Journal</i> , 2019, 150, 104206.	2.3	46
93	Novel nanoclay-based electrochemical sensor for highly efficient electrochemical sensing of nimesulide. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 137, 109210.	1.9	45
94	Electrochemical behavior of diclofenac sodium at core-shell nanostructure modified electrode and its analysis in human urine and pharmaceutical samples. <i>Sensors International</i> , 2020, 1, 100002.	4.9	45
95	Electrochemical behavior of anticancer drug 5-fluorouracil at carbon paste electrode and its analytical application. <i>Journal of Analytical Science and Technology</i> , 2016, 7, .	1.0	43
96	Fabrication of MWCNTs and Ru Doped TiO ₂ Nanoparticles Composite Carbon Sensor for Biomedical Application. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3070-Q3078.	0.9	43
97	A novel sensor based on WO ₃ ·0.33H ₂ O nanorods modified electrode for the detection and degradation of herbicide, carbendazim. <i>Journal of Environmental Management</i> , 2021, 279, 111611.	3.8	41
98	Ultrasonication and electrochemically-assisted synthesis of reduced graphene oxide nanosheets for electrochemical sensor applications. <i>FlatChem</i> , 2020, 23, 100183.	2.8	40
99	Conventional and Nanotechnology-Based Sensing Methods for SARS Coronavirus (2019-nCoV). <i>ACS Applied Bio Materials</i> , 2021, 4, 1178-1190.	2.3	40
100	Poly(eriochrome black T) modified electrode for electroensing of methdilazine. <i>Materials Science in Semiconductor Processing</i> , 2020, 120, 105261.	1.9	39
101	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.	3.8	39
102	Analysis of herbicide and its applications through a sensitive electrochemical technique based on MWCNTs/ZnO/CPE fabricated sensor. <i>Chemosphere</i> , 2022, 287, 132086.	4.2	39
103	Novel heterostructured Ru-doped TiO ₂ /CNTs hybrids with enhanced electrochemical sensing performance for Cetirizine. <i>Materials Research Express</i> , 2019, 6, 115085.	0.8	38
104	Engineered biochar: A way forward to environmental remediation. <i>Fuel</i> , 2022, 311, 122510.	3.4	38
105	Electrochemical behavior of azo food dye at nanoclay modified carbon electrode-a nanomolar determination. <i>Vacuum</i> , 2018, 155, 524-530.	1.6	37
106	CTAB modified Fe-WO ₃ as an electrochemical detector of amitrole by catalytic oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104580.	3.3	37
107	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.	6.5	37
108	Voltammetric Response and Determination of an Anti-inflammatory Drug at a Cationic Surfactant-Modified Glassy Carbon Electrode. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 1071-1079.	1.0	36

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109	Novel biosensor for efficient electrochemical detection of methdilazine using carbon nanotubes-modified electrodes. <i>Materials Research Express</i> , 2019, 6, 116308.	0.8	35
110	Functionalized magnetic nanoparticles/biopolymer hybrids: Synthesis methods, properties and biomedical applications. <i>Methods in Microbiology</i> , 2019, 46, 227-254.	0.4	35
111	Electrocatalytic behavior of a heterostructured nanocomposite sensor for aminotriazole. <i>New Journal of Chemistry</i> , 2020, 44, 19376-19384.	1.4	35
112	Fullereneâ€“C 60 â€“MWCNT composite film based ultrasensitive electrochemical sensing platform for the trace analysis of pyruvic acid in biological fluids. <i>Talanta</i> , 2015, 134, 554-559.	2.9	34
113	Adsorption of 4-chlorophenol by magnetized activated carbon from pomegranate husk using dual stage chemical activation. <i>Chemosphere</i> , 2021, 270, 128623.	4.2	33
114	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.	2.4	33
115	Leveraging the potential of silver nanoparticles-based materials towards sustainable water treatment. <i>Journal of Environmental Management</i> , 2022, 319, 115675.	3.8	33
116	Novel graphene-nanoclay hybrid electrodes for electrochemical determination of theophylline. <i>Microchemical Journal</i> , 2021, 165, 106115.	2.3	32
117	Grapheneâ€“Clay-Based Hybrid Nanostructures for Electrochemical Sensors and Biosensors. , 2019, , 235-274.		31
118	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.	2.6	31
119	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.	2.7	31
120	Electrocatalytic detection of herbicide, amitrole at WO ₃ Â·0.33H ₂ O modified carbon paste electrode for environmental applications. <i>Science of the Total Environment</i> , 2020, 743, 140691.	3.9	30
121	Cholesterol intercalated 2D graphene oxide sheets fabricated sensor for voltammetric analysis of theophylline. <i>FlatChem</i> , 2021, 28, 100255.	2.8	30
122	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.	3.0	30
123	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.	3.8	30
124	Hafnium doped tungsten oxide intercalated carbon matrix for electrochemical detection of perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , 2022, 434, 134700.	6.6	29
125	An electrochemical sensor based on poly (solochrome dark blue) film coated electrode for the determination of dopamine and simultaneous separation in the presence of uric acid and ascorbic acid: A voltammetric method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 145-150.	2.5	28
126	Photocatalysis of Graphene and Carbon Nitride-Based Functional Carbon Quantum Dots. , 2019, , 759-781.		28

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127	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO ₂) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , 2021, 279, 111603.	3.8	28
128	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.	2.3	28
129	Versatile fullerenes as sensor materials. <i>Materials Today Chemistry</i> , 2021, 20, 100454.	1.7	28
130	In-vitro evaluation of antioxidant and anticholinesterase activities of novel pyridine, quinoxaline and s-triazine derivatives. <i>Environmental Research</i> , 2021, 199, 111320.	3.7	28
131	2D materials and its heterostructured photocatalysts: Synthesis, properties, functionalization and applications in environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106408.	3.3	28
132	Nanostructured graphitic carbon nitride (g-C ₃ N ₄)-CTAB modified electrode for the highly sensitive detection of amino-triazole and linuron herbicides. <i>Environmental Research</i> , 2022, 204, 111856.	3.7	28
133	Electrochemical oxidation of erythrosine at TiO ₂ nanoparticles modified gold electrode – An environmental application. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2083-2089.	3.3	27
134	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.	1.1	27
135	Skin Patchable Sensor Surveillance for Continuous Glucose Monitoring. <i>ACS Applied Bio Materials</i> , 2022, 5, 945-970.	2.3	27
136	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.	2.6	27
137	Kinetic and Mechanistic Investigations on Oxidation of L-tryptophan by Diperoxydicuprate(III) in Aqueous Alkaline Medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2009, 223, 299-317.	1.4	26
138	Electro-oxidation and determination of nimesulide at nanosilica modified sensor. <i>Materials Science for Energy Technologies</i> , 2019, 2, 396-400.	1.0	26
139	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. <i>Materials Science for Energy Technologies</i> , 2020, 3, 515-525.	1.0	26
140	Enhanced removal of humic acid from aqueous solution by combined alternating current electrocoagulation and sulfate radical. <i>Environmental Pollution</i> , 2021, 277, 116632.	3.7	26
141	Photocatalytic hydrogen production by ternary heterojunction composites of silver nanoparticles doped FCNT-TiO ₂ . <i>Journal of Environmental Management</i> , 2021, 286, 112130.	3.8	26
142	Synthesis of novel Co ₃ O ₄ nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. <i>Journal of Environmental Management</i> , 2021, 298, 113484.	3.8	26
143	Nanostructured Ba/ZnO modified electrode as a sensor material for detection of organosulfur thiosalicylic acid. <i>Microchemical Journal</i> , 2020, 159, 105409.	2.3	25
144	Clay-based carbon sensor for electro-oxidation of nimesulide. <i>Materials Chemistry and Physics</i> , 2021, 272, 124992.	2.0	24

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145	Development of 2D graphene oxide sheets-based voltammetric sensor for electrochemical sensing of fungicide, carbendazim. <i>Chemosphere</i> , 2022, 303, 134919.	4.2	24
146	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.	2.0	24
147	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.	2.0	23
148	Electro-oxidation and determination of 2-thiouracil at TiO ₂ nanoparticles-modified gold electrode. <i>Surfaces and Interfaces</i> , 2017, 6, 127-133.	1.5	22
149	Current treatment protocol for COVID-19 in India. <i>Sensors International</i> , 2020, 1, 100013.	4.9	21
150	Biomarkers for Early Diagnosis of Ovarian Carcinoma. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2726-2746.	2.6	21
151	Mechanistic investigation on the oxidation of ampicillin drug by diperiodatoargentate (III) in aqueous alkaline medium. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 234-240.	0.9	20
152	Electrochemical oxidation of provitamin B5, d-panthenol and its analysis in spiked human urine. <i>Journal of Analytical Science and Technology</i> , 2016, 7, .	1.0	20
153	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.	3.7	20
154	Amberlite XAD-4 based electrochemical sensor for diclofenac detection in urine and commercial tablets. <i>Materials Chemistry and Physics</i> , 2021, 273, 125044.	2.0	20
155	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.	0.9	19
156	Invasion of novel corona virus (COVID-19) in Indian territory. <i>Sensors International</i> , 2020, 1, 100012.	4.9	18
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