

Necip Atar

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174
papers

11,456
citations

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h-index

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179
ext. papers

13,375
ext. citations

6.5
avg, IF

7.39
L-index

#	Paper	IF	Citations
174	Effect of aspect ratio and surface defects on the photocatalytic activity of ZnO nanorods. <i>Scientific Reports</i> , 2014 , 4, 4596	4.9	624
173	A novel magnetic Fe@Au core-shell nanoparticles anchored graphene oxide recyclable nanocatalyst for the reduction of nitrophenol compounds. <i>Water Research</i> , 2014 , 48, 210-7	12.5	510
172	Ce(3+)-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. <i>Scientific Reports</i> , 2016 , 6, 31641	4.9	435
171	A novel electro analytical nanosensor based on graphene oxide/silver nanoparticles for simultaneous determination of quercetin and morin. <i>Electrochimica Acta</i> , 2014 , 120, 204-211	6.7	354
170	A Novel DNA Biosensor Based on a Pencil Graphite Electrode Modified with Polypyrrole/Functionalized Multiwalled Carbon Nanotubes for Determination of 6-Mercaptopurine Anticancer Drug. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3634-3639	3.9	350
169	A novel voltammetric sensor based on gold nanoparticles involved in p-aminothiophenol functionalized multi-walled carbon nanotubes: Application to the simultaneous determination of quercetin and rutin. <i>Electrochimica Acta</i> , 2014 , 119, 24-31	6.7	219
168	A sensitive molecular imprinted electrochemical sensor based on gold nanoparticles decorated graphene oxide: Application to selective determination of tyrosine in milk. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 149-157	8.5	216
167	A novel and sensitive electrochemical DNA biosensor based on Fe@Au nanoparticles decorated graphene oxide. <i>Electrochimica Acta</i> , 2014 , 125, 38-47	6.7	196
166	An amplified voltammetric sensor based on platinum nanoparticle/polyoxometalate/two-dimensional hexagonal boron nitride nanosheets composite and ionic liquid for determination of N-hydroxysuccinimide in water samples. <i>Journal of Molecular Liquids</i> , 2020 , 510, 113105	6	187
165	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell CoO@MOF-74 nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2021 , 592, 174-185	9.3	168
164	Carbon-Doped ZnO Nanostructures: Facile Synthesis and Visible Light Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20544-20554	3.8	163
163	Molecularly imprinted electrochemical biosensor based on Fe@Au nanoparticles involved in 2-aminoethanethiol functionalized multi-walled carbon nanotubes for sensitive determination of cefexime in human plasma. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 277-85	11.8	158
162	A sensitive molecularly imprinted polymer based quartz crystal microbalance nanosensor for selective determination of lovastatin in red yeast rice. <i>Food Chemistry</i> , 2015 , 185, 430-6	8.5	154
161	Sensitive and selective determination of aqueous triclosan based on gold nanoparticles on polyoxometalate/reduced graphene oxide nanohybrid. <i>RSC Advances</i> , 2015 , 5, 65953-65962	3.7	150
160	Sensitive voltammetric sensor based on polyoxometalate/reduced graphene oxide nanomaterial: Application to the simultaneous determination of l-tyrosine and l-tryptophan. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 47-54	8.5	150
159	Biosorption of acidic dyes from aqueous solution by <i>Paenibacillus macerans</i> : Kinetic, thermodynamic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2009 , 150, 122-130	14.7	138
158	Development of cardiac troponin-I biosensor based on boron nitride quantum dots including molecularly imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 418-424	11.8	138

157	Magnetic iron oxide and iron oxide@gold nanoparticle anchored nitrogen and sulfur-functionalized reduced graphene oxide electrocatalyst for methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 26402-26409	3.7	137
156	CoFe ₂ O ₄ @TiO ₂ decorated reduced graphene oxide nanocomposite for photocatalytic degradation of chlorpyrifos. <i>Journal of Molecular Liquids</i> , 2015 , 208, 122-129	6	136
155	A novel voltammetric sensor based on p-aminothiophenol functionalized graphene oxide/gold nanoparticles for determining quercetin in the presence of ascorbic acid. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 698, 9-16	4.1	128
154	Sensitive determination of citrinin based on molecular imprinted electrochemical sensor. <i>Applied Surface Science</i> , 2016 , 362, 315-322	6.7	121
153	A novel efficient photocatalyst based on TiO ₂ nanoparticles involved boron enrichment waste for photocatalytic degradation of atrazine. <i>Chemical Engineering Journal</i> , 2014 , 250, 288-294	14.7	120
152	Adsorptive and photocatalytic removal of reactive dyes by silver nanoparticle-colemanite ore waste. <i>Chemical Engineering Journal</i> , 2014 , 242, 333-340	14.7	117
151	Sensitive analysis of simazine based on platinum nanoparticles on polyoxometalate/multi-walled carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2016 , 470, 14-21	9.3	114
150	Batch and column studies of phosphate and nitrate adsorption on waste solids containing boron impurity. <i>Chemical Engineering Journal</i> , 2013 , 222, 108-119	14.7	113
149	Equilibrium and kinetic adsorption study of Basic Yellow 28 and Basic Red 46 by a boron industry waste. <i>Journal of Hazardous Materials</i> , 2009 , 161, 148-56	12.8	113
148	A novel impedimetric biosensor based on graphene oxide/gold nanoplatform for detection of DNA arrays. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 1201-1211	8.5	112
147	Direct-methanol Fuel Cell Based on Functionalized Graphene Oxide with Mono-metallic and Bi-metallic Nanoparticles: Electrochemical Performances of Nanomaterials for Methanol Oxidation. <i>Electroanalysis</i> , 2016 , 28, 570-579	3	109
146	A novel detection approach for serotonin by graphene quantum dots/two-dimensional (2D) hexagonal boron nitride nanosheets with molecularly imprinted polymer. <i>Applied Surface Science</i> , 2018 , 458, 648-655	6.7	108
145	Biosorption of lead from aqueous solutions by Bacillus strains possessing heavy-metal resistance. <i>Chemical Engineering Journal</i> , 2011 , 173, 422-428	14.7	108
144	A novel glucose biosensor platform based on Ag@AuNPs modified graphene oxide nanocomposite and SERS application. <i>Journal of Colloid and Interface Science</i> , 2013 , 406, 231-7	9.3	106
143	A novel sensitive Cu(II) and Cd(II) nanosensor platform: Graphene oxide terminated p-aminophenyl modified glassy carbon surface. <i>Electrochimica Acta</i> , 2013 , 112, 541-548	6.7	104
142	A Highly Efficient Nanomaterial with Molecular Imprinting Polymer: Carbon Nitride Nanotubes Decorated with Graphene Quantum Dots for Sensitive Electrochemical Determination of Chlorpyrifos. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B223-B229	3.9	100
141	Electrochemical Detection of Atrazine by Platinum Nanoparticles/Carbon Nitride Nanotubes with Molecularly Imprinted Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7631-7639	3.9	97
140	Removal of Cr(VI) through calixarene based polymer inclusion membrane from chrome plating bath water. <i>Chemical Engineering Journal</i> , 2016 , 283, 141-149	14.7	97

139	A novel electrochemical sensor based on calixarene functionalized reduced graphene oxide: Application to simultaneous determination of Fe(III), Cd(II) and Pb(II) ions. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 525-531	9.3	97
138	Catalytic activity of Fe@Ag nanoparticle involved calcium alginate beads for the reduction of nitrophenols. <i>Journal of Molecular Liquids</i> , 2014 , 190, 133-138	6	90
137	New molecular imprinted voltammetric sensor for determination of ochratoxin A. <i>Materials Science and Engineering C</i> , 2016 , 61, 368-75	8.3	89
136	A highly selective and sensitive voltammetric sensor with molecularly imprinted polymer based silver@gold nanoparticles/ionic liquid modified glassy carbon electrode for determination of ceftizoxime. <i>Journal of Molecular Liquids</i> , 2018 , 251, 212-217	6	86
135	Heterostructured d-Ti C /TiO g-C N Nanocomposites with Enhanced Visible-Light Photocatalytic Hydrogen Production Activity. <i>ChemSusChem</i> , 2018 , 11, 4226-4236	8.3	84
134	Molecular imprinted nanosensor based on surface plasmon resonance: Application to the sensitive determination of amoxicillin. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 28-35	8.5	83
133	Molecular imprinted polypyrrole modified glassy carbon electrode for the determination of tobramycin. <i>Electrochimica Acta</i> , 2013 , 112, 37-43	6.7	82
132	Electrochemically grafted etodolac film on glassy carbon for Pb(II) determination. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 1207-1215	8.5	80
131	Liquid phase determination of adrenaline uses a voltammetric sensor employing CuFe ₂ O ₄ nanoparticles and room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 213, 369-373	6	79
130	Adsorption of cadmium (II) and zinc (II) on boron enrichment process waste in aqueous solutions: Batch and fixed-bed system studies. <i>Chemical Engineering Journal</i> , 2012 , 192, 1-7	14.7	79
129	Adsorption of Anionic Dyes on Boron Industry Waste in Single and Binary Solutions Using Batch and Fixed-Bed Systems. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 508-516	2.8	79
128	Functionalized Graphene Quantum Dots with Bi-Metallic Nanoparticles Composite: Sensor Application for Simultaneous Determination of Ascorbic Acid, Dopamine, Uric Acid and Tryptophan. <i>Journal of the Electrochemical Society</i> , 2016 , 163, B718-B725	3.9	78
127	Manipulating Crystallographic Orientation of Zinc Deposition for Dendrite-free Zinc Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101299	21.8	77
126	A molecular imprinted SPR biosensor for sensitive determination of citrinin in red yeast rice. <i>Food Chemistry</i> , 2015 , 184, 7-11	8.5	74
125	Highly Selective and Sensitive Voltammetric Sensor Based on Ruthenium Nanoparticle Anchored Calix[4]amidocrown-5 Functionalized Reduced Graphene Oxide: Simultaneous Determination of Quercetin, Morin and Rutin in Grape Wine. <i>Electroanalysis</i> , 2016 , 28, 611-619	3	74
124	A sensitive molecular imprinted surface plasmon resonance nanosensor for selective determination of trace triclosan in wastewater. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 638-644	8.5	72
123	Core-Shell Nanoparticles/Two-Dimensional (2D) Hexagonal Boron Nitride Nanosheets with Molecularly Imprinted Polymer for Electrochemical Sensing of Cypermethrin. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H255-H262	3.9	71
122	Ultrahigh capacity anode material for lithium ion battery based on rod gold nanoparticles decorated reduced graphene oxide. <i>Thin Solid Films</i> , 2015 , 590, 156-162	2.2	70

121	A novel determination of curcumin via Ru@Au nanoparticle decorated nitrogen and sulfur-functionalized reduced graphene oxide nanomaterials. <i>Analytical Methods</i> , 2016 , 8, 401-408	3.2	70
120	3D Polyoxometalate-Functionalized Graphene Quantum Dots with Mono-Metallic and Bi-Metallic Nanoparticles for Application in Direct Methanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F1237-F1244	3.9	69
119	Charge Engineering of MoC@Defect-Rich N-Doped Carbon Nanosheets for Efficient Electrocatalytic H Evolution. <i>Nano-Micro Letters</i> , 2019 , 11, 45	19.5	68
118	Silver, gold, and silver@gold nanoparticle-anchored l-cysteine-functionalized reduced graphene oxide as electrocatalyst for methanol oxidation. <i>Ionics</i> , 2015 , 21, 2285-2293	2.7	68
117	A novel molecular imprinted nanosensor based quartz crystal microbalance for determination of kaempferol. <i>Sensors and Actuators B: Chemical</i> , 2014 , 194, 79-85	8.5	68
116	Molecular imprinting polymer with polyoxometalate/carbon nitride nanotubes for electrochemical recognition of bilirubin. <i>Electrochimica Acta</i> , 2017 , 246, 135-140	6.7	67
115	Selective QCM sensor based on atrazine imprinted polymer: Its application to wastewater sample. <i>Sensors and Actuators B: Chemical</i> , 2015 , 218, 215-221	8.5	67
114	Simultaneous determination of agonists on hexagonal boron nitride nanosheets/multi-walled carbon nanotubes nanocomposite modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2019 , 96, 669-676	8.3	67
113	Phenylethanolamine A (PEA) Imprinted Polymer on Carbon Nitride Nanotubes/Graphene Quantum Dots/Core-Shell Nanoparticle Composite for Electrochemical PEA Detection in Urine Sample. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H1-H9	3.9	65
112	Polymeric materials and films in dentistry: An overview. <i>Journal of Advanced Research</i> , 2018 , 14, 25-34	13	65
111	Determination of amikacin in human plasma by molecular imprinted SPR nanosensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 198, 70-76	8.5	65
110	Electrochemical studies on graphene oxide-supported metallic and bimetallic nanoparticles for fuel cell applications. <i>Journal of Molecular Liquids</i> , 2014 , 191, 172-176	6	63
109	Development of molecular imprinted sensor including graphitic carbon nitride/N-doped carbon dots composite for novel recognition of epinephrine. <i>Composites Part B: Engineering</i> , 2019 , 175, 107113	10	62
108	A universal and facile approach to suppress dendrite formation for a Zn and Li metal anode. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9331-9344	13	62
107	Ionic Liquid-Based Electrolytes for Energy Storage Devices: A Brief Review on Their Limits and Applications. <i>Polymers</i> , 2020 , 12,	4.5	61
106	Palladium nanoparticles functionalized graphene quantum dots with molecularly imprinted polymer for electrochemical analysis of citrinin. <i>Journal of Molecular Liquids</i> , 2017 , 243, 677-681	6	61
105	Vanadium-Based Oxide on Two-Dimensional Vanadium Carbide MXene (V ₂ O _x @V ₂ CT _x) as Cathode for Rechargeable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4677-4689	6.1	61
104	Enhanced surface plasmon resonance (SPR) signals based on immobilization of core-shell nanoparticles incorporated boron nitride nanosheets: Development of molecularly imprinted SPR nanosensor for anticancer drug, etoposide. <i>Biosensors and Bioelectronics</i> , 2019 , 130, 293-298	11.8	60

103	Fe@Ag nanoparticles decorated reduced graphene oxide as ultrahigh capacity anode material for lithium-ion battery. <i>Ionics</i> , 2015 , 21, 3185-3192	2.7	59
102	A novel electrochemical aflatoxin B1 immunosensor based on gold nanoparticle-decorated porous graphene nanoribbon and Ag nanocube-incorporated MoS2 nanosheets. <i>New Journal of Chemistry</i> , 2021 , 45, 11222-11233	3.6	58
101	A Molecular Imprinted Voltammetric Sensor Based on Carbon Nitride Nanotubes: Application to Determination of Melamine. <i>Journal of the Electrochemical Society</i> , 2016 , 163, B588-B593	3.9	57
100	Electrochemical immunosensor development based on core-shell high-crystalline graphitic carbon nitride@carbon dots and CdZnS/d-TiCT MXene composite for heart-type fatty acid-binding protein detection. <i>Mikrochimica Acta</i> , 2021 , 188, 182	5.8	57
99	Electrochemically modified sulfisoxazole nanofilm on glassy carbon for determination of cadmium(II) in water samples. <i>Electrochimica Acta</i> , 2013 , 105, 149-156	6.7	55
98	Tailoring of cobalt phosphide anchored nitrogen and sulfur co-doped three dimensional graphene hybrid: Boosted electrocatalytic performance towards hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2021 , 380, 138262	6.7	55
97	Inhibition of Manganese Dissolution in Mn2O3 Cathode with Controllable Ni ²⁺ Incorporation for High-Performance Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2009412	15.6	54
96	NiMn Layered Double Hydroxide Nanosheets In-situ Anchored on Ti3C2 MXene via Chemical Bonds for Superior Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5949-5964	6.1	53
95	Removal of basic and acid dyes from aqueous solutions by a waste containing boron impurity. <i>Desalination</i> , 2009 , 249, 109-115	10.3	53
94	A Novel Molecularly Imprinting Biosensor Including Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite for Interleukin-6 Detection and Electrochemical Biosensor Validation. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 121010	2	51
93	Validated electrochemical immunosensor for ultra-sensitive procalcitonin detection: Carbon electrode modified with gold nanoparticles functionalized sulfur doped MXene as sensor platform and carboxylated graphitic carbon nitride as signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128195	8.5	50
92	WS and C-TiO Nanorods Acting as Effective Charge Separators on g-C N to Boost Visible-Light Activated Hydrogen Production from Seawater. <i>ChemSusChem</i> , 2018 , 11, 4077-4085	8.3	50
91	Sustainable electrode material for high-energy supercapacitor: biomass-derived graphene-like porous carbon with three-dimensional hierarchically ordered ion highways. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 12807-12821	3.6	50
90	Electrochemical sensing of ractopamine by carbon nitride nanotubes/ionic liquid nanohybrid in presence of other β agonists. <i>Journal of Molecular Liquids</i> , 2018 , 254, 8-11	6	46
89	Equilibrium, thermodynamic and kinetic studies for the adsorption of lead (II) and nickel (II) onto clay mixture containing boron impurity. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1751-1757	6.3	46
88	Thermodynamic, Equilibrium and Kinetic Study of the Biosorption of Basic Blue 41 using <i>Bacillus macerans</i> . <i>Engineering in Life Sciences</i> , 2008 , 8, 499-506	3.4	46
87	Facile Electrodeposition of Ni-Cu-P Dendrite Nanotube Films with Enhanced Hydrogen Evolution Reaction Activity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35224-35233	9.5	44
86	A nanocomposite prepared from platinum particles, polyaniline and a TiC MXene for amperometric sensing of hydrogen peroxide and lactate. <i>Mikrochimica Acta</i> , 2019 , 186, 752	5.8	42

85	Removal of acid blue 062 on aqueous solution using calcinated colemanite ore waste. <i>Journal of Hazardous Materials</i> , 2007 , 146, 171-9	12.8	41
84	Amperometric galectin-3 immunosensor-based gold nanoparticle-functionalized graphitic carbon nitride nanosheets and core-shell Ti-MOF@COFs composites. <i>Nanoscale</i> , 2020 , 12, 19824-19832	7.7	39
83	Fabrication of Pt/Pd Nanoparticles/Polyoxometalate/Ionic Liquid Nano hybrid for Electrocatalytic Oxidation of Methanol. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F338-F341	3.9	37
82	A sensitive voltammetric sensor for determination of Cd(II) in human plasma. <i>Journal of Molecular Liquids</i> , 2014 , 197, 58-64	6	37
81	Molecularly imprinted QCM sensor based on delaminated MXene for chlorpyrifos detection and QCM sensor validation. <i>New Journal of Chemistry</i> , 2020 , 44, 6524-6532	3.6	37
80	A Methyl Parathion Recognition Method Based on Carbon Nitride Incorporated Hexagonal Boron Nitride Nanosheets Composite Including Molecularly Imprinted Polymer. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H495-H501	3.9	36
79	First principle study of elastic and thermodynamic properties of FeB ₄ under high pressure. <i>Journal of Applied Physics</i> , 2013 , 114, 183517	2.5	36
78	Strategies of regulating Zn ²⁺ solvation structures for dendrite-free and side reaction-suppressed zinc-ion batteries. <i>Energy and Environmental Science</i> ,	35.4	36
77	A novel and ultrasensitive sandwich-type electrochemical immunosensor based on delaminated MXene@AuNPs as signal amplification for prostate specific antigen (PSA) detection and immunosensor validation. <i>Talanta</i> , 2020 , 220, 121403	6.2	36
76	Facile and green fabrication of silver nanoparticles on a polyoxometalate for Li-ion battery. <i>Ionics</i> , 2015 , 21, 2193-2199	2.7	35
75	Reduced graphene oxide based a novel polymer inclusion membrane: Transport studies of Cr(VI). <i>Journal of Molecular Liquids</i> , 2016 , 219, 1124-1130	6	35
74	Revealing Ni-based layered double hydroxides as high-efficiency electrocatalysts for the oxygen evolution reaction: a DFT study. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23091-23097	13	35
73	Gold Nanoparticles/Two-Dimensional (2D) Hexagonal Boron Nitride Nanosheets Including Diethylstilbestrol Imprinted Polymer: Electrochemical Detection in Urine Samples and Validation. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H897-H902	3.9	35
72	Electrochemical detection of amyloid- β protein by delaminated titanium carbide MXene/multi-walled carbon nanotubes composite with molecularly imprinted polymer. <i>Materials Today Communications</i> , 2020 , 23, 101097	2.5	34
71	Adsorptive properties of molasses modified boron enrichment waste based nanoclay for removal of basic dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 244-249	6.3	34
70	Molecular Imprinted Sensor Including Au Nanoparticles/Polyoxometalate/Two-Dimensional Hexagonal Boron Nitride Nanocomposite for Diazinon Recognition. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 101006	2	33
69	Synthesis of CdO nanoparticles using direct chemical precipitation method: Fabrication of novel voltammetric sensor for square wave voltammetry determination of chlorpromazine in pharmaceutical samples. <i>Inorganic and Nano-Metal Chemistry</i> , 2017 , 47, 347-353	1.2	30
68	Nanosized Fe ₃ O ₄ incorporated on a TiO ₂ surface for the enhanced photocatalytic degradation of organic pollutants. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110967	6	29

67	A new approach for electrochemical detection of organochlorine compound lindane: Development of molecular imprinting polymer with polyoxometalate/carbon nitride nanotubes composite and validation. <i>Microchemical Journal</i> , 2020 , 157, 105012	4.8	29
66	Amino acid functionalized magnetic nanoparticles for removal of Ni(II) from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 67, 148-160	5.3	29
65	Fabrication of bimetallic Pt/Pd nanoparticles on 2-thiolbenzimidazole functionalized reduced graphene oxide for methanol oxidation. <i>Ionics</i> , 2016 , 22, 593-600	2.7	28
64	Oxytocin imprinted polymer based surface plasmon resonance sensor and its application to milk sample. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 842-848	8.5	28
63	Synthesis of hierarchical structured rare earth metal doped Co ₃ O ₄ by polymer combustion method for high performance electrochemical supercapacitor electrode materials. <i>Ionics</i> , 2020 , 26, 2051-2061	2.7	27
62	A comparative study of CO catalytic oxidation on the single vacancy and di-vacancy graphene supported single-atom iridium catalysts: A DFT analysis. <i>Surfaces and Interfaces</i> , 2021 , 25, 101293	4.1	27
61	Determination of rutin by CoFe ₂ O ₄ nanoparticles ionic liquid nanocomposite as a voltammetric sensor. <i>Journal of Molecular Liquids</i> , 2017 , 246, 350-353	6	26
60	A novel electrochemical lung cancer biomarker cytokeratin 19 fragment antigen 21-1 immunosensor based on SiN/MoS incorporated MWCNTs and core-shell type magnetic nanoparticles. <i>Nanoscale</i> , 2021 , 13, 4660-4669	7.7	26
59	Novel voltammetric tumor necrosis factor-alpha (TNF- α) immunosensor based on gold nanoparticles involved in thiol-functionalized multi-walled carbon nanotubes and bimetallic Ni/Cu-MOFs. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2481-2492	4.4	26
58	A novel sandwich-type SERS immunosensor for selective and sensitive carcinoembryonic antigen (CEA) detection. <i>Analytica Chimica Acta</i> , 2020 , 1139, 100-110	6.6	25
57	A novel QCM immunosensor development based on gold nanoparticles functionalized sulfur-doped graphene quantum dot and h-ZnS-CdS NC for Interleukin-6 detection. <i>Analytica Chimica Acta</i> , 2021 , 1148, 338202	6.6	25
56	Synergistic corrosion inhibition effect of 1-ethyl-1-methylpyrrolidinium tetrafluoroborate and iodide ions for low carbon steel in HCl solution. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 2383-2403	2	25
55	Enhancement of Hydrogen Evolution Reaction Performance of Graphitic Carbon Nitride with Incorporated Nickel Boride. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16198-16204	8.3	25
54	Corrosion Resistance of Graphene oxide/Silver Coatings on Ni-Ti alloy and Expression of IL-6 and IL-8 in Human Oral Fibroblasts. <i>Scientific Reports</i> , 2020 , 10, 3247	4.9	24
53	Heterostructures of mesoporous TiO ₂ and SnO ₂ nanocatalyst for improved electrochemical oxidation ability of vitamin B6 in pharmaceutical tablets. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 45-53	9.3	23
52	Fabrication of novel electrochemical sensor for determination of vitamin C in the presence of vitamin B9 in food and pharmaceutical samples. <i>Journal of Molecular Liquids</i> , 2016 , 221, 666-672	6	23
51	Electrochemical detection of atrazine in wastewater samples by copper oxide (CuO) nanoparticles ionic liquid modified electrode. <i>Journal of Molecular Liquids</i> , 2017 , 248, 360-363	6	22
50	NiMn-Layered Double Hydroxides Chemically Anchored on Ti ₃ C ₂ MXene for Superior Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11119-11130	6.1	21

49	Elimination of Zinc Dendrites by Graphene Oxide Electrolyte Additive for Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4602-4609	6.1	21
48	Heavy metal resistances and biosorptive behaviors of <i>Paenibacillus polymyxa</i> : Batch and column studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 863-869	6.3	20
47	Biosynthesis of silver nanoparticles using chitosan immobilized <i>Bacillus cereus</i> : Nanocatalytic studies. <i>Journal of Molecular Liquids</i> , 2013 , 188, 81-88	6	20
46	Electrochemical Sensor Based on Au@nitrogen-Doped Carbon Quantum Dots@Ag Core-Shell Composite Including Molecular Imprinted Polymer for Metobromuron Recognition. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H691-H697	3.9	18
45	Co-electrodeposition of hard Ni-W/diamond nanocomposite coatings. <i>Scientific Reports</i> , 2016 , 6, 22285	4.9	16
44	Facile synthesis of a ZnO-BiOI p-n nano-heterojunction with excellent visible-light photocatalytic activity. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 789-800	3	16
43	Pressure-induced zigzag phosphorus chain and superconductivity in boron monophosphide. <i>Scientific Reports</i> , 2015 , 5, 8761	4.9	16
42	A molecularly imprinted electrochemical biosensor based on hierarchical TiNbO (TNO) for glucose detection. <i>Mikrochimica Acta</i> , 2021 , 189, 24	5.8	16
41	Graphene Oxide/Silver Nanoparticle Coating Produced by Electrophoretic Deposition Improved the Mechanical and Tribological Properties of NiTi Alloy for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3804-3810	1.3	15
40	Efficient Direct-Methanol Fuel Cell Based on Graphene Quantum Dots/Multi-walled Carbon Nanotubes Composite. <i>Electroanalysis</i> , 2020 , 32, 1977-1982	3	15
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