

Necip Atar

List of Publications by Year in Descending Order

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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.

174
papers

11,456
citations

64
h-index

101
g-index

179
ext. papers

13,375
ext. citations

6.5
avg, IF

7.39
L-index

#	Paper	IF	Citations
174	Non-invasive electrochemical immunosensor for sweat cortisol based on L-cys/AuNPs/ MXene modified thread electrode.. <i>Biosensors and Bioelectronics</i> , 2022 , 203, 114039	11.8	11
173	A novel electrochemical kidney injury molecule-1 (KIM-1) immunosensor based covalent organic frameworks-gold nanoparticles composite and porous NiCo ₂ S ₄ @CeO ₂ microspheres: The monitoring of acute kidney injury. <i>Applied Surface Science</i> , 2022 , 578, 152093	6.7	12
172	Occurrences and removal of pharmaceutical and personal care products from aquatic systems using advanced treatment- A review. <i>Environmental Research</i> , 2022 , 204, 112298	7.9	7
171	Electrochemical neuron-specific enolase (NSE) immunosensor based on CoFeO@Ag nanocomposite and AuNPs@MoS ₂ /rGO.. <i>Analytica Chimica Acta</i> , 2022 , 1200, 339609	6.6	10
170	Microplastics in the environment: Recent developments in characteristic, occurrence, identification and ecological risk.. <i>Chemosphere</i> , 2022 , 298, 134161	8.4	3
169	Architecting Nb-TiO ₂ x/(Ti 0.9 Nb 0.1) 3 C 2 T x MXene Nanohybrid Anode for High-Performance Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101658	4.6	1
168	A molecularly imprinted electrochemical biosensor based on hierarchical TiNbO (TNO) for glucose detection. <i>Mikrochimica Acta</i> , 2021 , 189, 24	5.8	16
167	Sensitive sandwich-type electrochemical SARS-CoV-2 nucleocapsid protein immunosensor. <i>Mikrochimica Acta</i> , 2021 , 188, 425	5.8	9
166	A self-sacrifice template strategy to synthesize Co-LDH/MXene for lithium-ion batteries. <i>Chemical Communications</i> , 2021 , 57, 11378-11381	5.8	3
165	TiO ₂ /MXene-PVA/GO hydrogel-based electrochemical sensor for neurological disorder screening via urinary norepinephrine detection. <i>Mikrochimica Acta</i> , 2021 , 188, 387	5.8	6
164	Theoretical Insights into the NH ₃ Decomposition Mechanism on the Cu- and Pt- Embedded Graphene Surfaces: A DFT Approach. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 101008 ²		5
163	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
162	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
161	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
160	Manipulating Crystallographic Orientation of Zinc Deposition for Dendrite-free Zinc Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101299	21.8	77
159	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
158	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

157	Biofilm inhibition and bactericidal activity of NiTi alloy coated with graphene oxide/silver nanoparticles via electrophoretic deposition. <i>Scientific Reports</i> , 2021 , 11, 14008	4.9	6
156	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
155	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
154	Ni ₃ S ₂ Nanoparticles Anchored on d-Ti ₃ C ₂ Nanosheets with Enhanced Sodium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2593-2599	6.1	7
153	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
152	Two Birds with One Stone: Boosting Zinc-Ion Insertion/Extraction Kinetics and Suppressing Vanadium Dissolution of VO via La Incorporation Enable Advanced Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38416-38424	9.5	15
151	Mechanism of methanol decomposition on the Cu-Embedded graphene: A DFT study. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	4
150	Carbohydrate antigen 19-9 electrochemical immunosensor based on 1D-MoS ₂ nanorods/LiNb ₃ O ₈ and polyoxometalate-incorporated gold nanoparticles. <i>Microchemical Journal</i> , 2021 , 170, 106643	4.8	10
149	A novel electrochemical aflatoxin B1 immunosensor based on gold nanoparticle-decorated porous graphene nanoribbon and Ag nanocube-incorporated MoS ₂ nanosheets. <i>New Journal of Chemistry</i> , 2021 , 45, 11222-11233	3.6	58
148	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
147	Inhibition of Manganese Dissolution in Mn ₂ O ₃ Cathode with Controllable Ni ²⁺ Incorporation for High-Performance Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2009412	15.6	54
146	High-Performance and Binder-Free Anodized ZrTiAlV Alloy Anode Material for Lithium Ion Microbatteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11326-11332	6.1	1
145	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
144	Efficient Direct-Methanol Fuel Cell Based on Graphene Quantum Dots/Multi-walled Carbon Nanotubes Composite. <i>Electroanalysis</i> , 2020 , 32, 1977-1982	3	15
143	NiMn Layered Double Hydroxide Nanosheets In-situ Anchored on Ti ₃ C ₂ MXene via Chemical Bonds for Superior Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5949-5964	6.1	53
142	Eco-Friendly Conductive Cotton-Based Textile Electrodes Using Silver- and Carbon-Coated Fabrics for Advanced Flexible Supercapacitors. <i>Energy & Fuels</i> , 2020 , 34, 8977-8986	4.1	15
141	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
140	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

139	Ionic Liquid-Based Electrolytes for Energy Storage Devices: A Brief Review on Their Limits and Applications. <i>Polymers</i> , 2020 , 12,	4.5	61
138	Spatial Separation of Charge Carriers via Heterogeneous Structural Defects in Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4428-4436	5.6	14
137	Superiority of Modified Polymeric Membrane with Nanomaterial on Temperature and Mechanical Stability and Application in Industrial Waste Water. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 061019	2	4
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	Ni-Co Double Hydroxide Grown on Graphene Oxide for Enhancing Lithium Ion Storage. <i>Energy & Fuels</i> , 2020 , 34, 13032-13037	4.1	12
128	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
127	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 , 310, 113185	6	187
126	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
125	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
124	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
123	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
122	Heterostructures of mesoporous TiO and SnO 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

121	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
120	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
119	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
118	Influence of Co Ions on the Microstructure and Mechanical Properties of Ni-W/Diamond Nano-Composite Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4083-4089	1.3	3
117	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
116	SiC _x /TiC _x Nanostructured Material from Ti ₃ SiC ₂ for High Rate Performance of Lithium Storage. <i>ChemistrySelect</i> , 2019 , 4, 7766-7772	1.8	3
115	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
114	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	10	62
113	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
112	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
111	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
110	Simultaneous determination of β -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
109	Fabrication of Pt/Pd Nanoparticles/Polyoxometalate/Ionic Liquid Nanohybrid for Electrocatalytic Oxidation of Methanol. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F338-F341	3.9	37
108	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
107	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
106	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
105	Polymeric materials and films in dentistry: An overview. <i>Journal of Advanced Research</i> , 2018 , 14, 25-34	13	65
104	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

103	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
102	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
101	Rational design and synthesis of SiC/TiC@SiO/TiO porous core-shell nanostructure with excellent Li-ion storage performance. <i>Chemical Communications</i> , 2018 , 54, 12622-12625	5.8	7
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	Molecular imprinting polymer with polyoxometalate/carbon nitride nanotubes for electrochemical recognition of bilirubin. <i>Electrochimica Acta</i> , 2017 , 246, 135-140	6.7	67
92	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
91	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
90	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
89	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
88	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
87	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
86	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

85	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
84	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
83	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
82	Effect of Ag ⁺ and PO ₄ ³⁻ ratios on the microstructure and photocatalytic activity of Ag ₃ PO ₄ . <i>Functional Materials Letters</i> , 2016 , 09, 1650063	1.2	10
81	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
80	Co-electrodeposition of hard Ni-W/diamond nanocomposite coatings. <i>Scientific Reports</i> , 2016 , 6, 22285	4.9	16
79	New molecular imprinted voltammetric sensor for determination of ochratoxin A. <i>Materials Science and Engineering C</i> , 2016 , 61, 368-75	8.3	89
78	Sensitive determination of citrinin based on molecular imprinted electrochemical sensor. <i>Applied Surface Science</i> , 2016 , 362, 315-322	6.7	121
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	Elastic, magnetic and electronic properties of iridium phosphide Ir ₂ P. <i>Scientific Reports</i> , 2016 , 6, 21787	4.9	14
69	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
68	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

67	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
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	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
64	4-Mercaptophenylboronic acid: conformation, FT-IR, Raman, OH stretching and theoretical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 144, 131-8	4.4	13
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	Structural, magnetic and electron transfer effect of Cr additive on Fe ₆₅ Co ₃₅ nanopowder fabricated mechanical alloying. <i>Powder Technology</i> , 2015 , 279, 262-268	5.2	7
55	Facile and green fabrication of silver nanoparticles on a polyoxometalate for Li-ion battery. <i>Ionics</i> , 2015 , 21, 2193-2199	2.7	35
54	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
53	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
52	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
51	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
50	Anisotropy in elasticity and thermodynamic properties of zirconium tetraboride under high pressure. <i>RSC Advances</i> , 2015 , 5, 77399-77406	3.7	10

49	Pressure-induced zigzag phosphorus chain and superconductivity in boron monophosphide. <i>Scientific Reports</i> , 2015 , 5, 8761	4.9	16
48	Theoretical prediction of structural stability, electronic and elastic properties of ZrSi ₂ under pressure. <i>RSC Advances</i> , 2015 , 5, 36779-36786	3.7	11
47	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
46	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
45	The high concentration and uniform distribution of diamond particles in Ni-diamond composite coatings by sediment co-deposition. <i>Surface and Interface Analysis</i> , 2015 , 47, 331-339	1.5	9
44	Effect of aspect ratio and surface defects on the photocatalytic activity of ZnO nanorods. <i>Scientific Reports</i> , 2014 , 4, 4596	4.9	624
43	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
42	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
41	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
40	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
39	Mechanical-assisted preparation and photocatalytic properties of almost-visible light-driven ZnO/ZnFe ₂ O ₄ nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1641, 1		2
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37	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
36	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
35	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
34	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
33	A sensitive voltammetric sensor for determination of Cd(II) in human plasma. <i>Journal of Molecular Liquids</i> , 2014 , 197, 58-64	6	37
32	In situ high pressure synthesis of cBN-based composites. <i>Functional Materials Letters</i> , 2014 , 07, 14500401.2		5

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28	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
27	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
26	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
25	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
24	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
23	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
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21	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
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16	Deformation-induced bonding evolution of iron tetraboride and its electronic origin. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013 , 7, 1022-1025	2.5	10
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14	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

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12	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
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7	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
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