

# Fatih sen

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/882236/fatih-sen-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

267 papers	8,168 citations	53 h-index	82 g-index
291 ext. papers	9,972 ext. citations	5.5 avg, IF	6.84 L-index

#	Paper	IF	Citations
267	Highly active PdPt bimetallic nanoparticles synthesized by one-step bioreduction method: Characterizations, anticancer, antibacterial activities and evaluation of their catalytic effect for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	10
266	Highly efficient carbon hybrid supported catalysts using nano-architecture as anode catalysts for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	8
265	Trends in functionalized NMs-based electrochemical sensors in the food and beverage industry <b>2022</b> , 261-274		
264	Biofunctionalization of functionalized nanomaterials for electrochemical sensors <b>2022</b> , 55-69		2
263	Functionalized nanomaterials and workplace health and safety <b>2022</b> , 393-406		1
262	Functionalized carbon material-based electrochemical sensors for day-to-day applications <b>2022</b> , 97-111		1
261	Antioxidant, antimicrobial, cytotoxic and protective effects of truffles.. <i>Analytical Biochemistry</i> , <b>2022</b> , 641, 114566	3.1	0
260	An environmental approach for the photodegradation of toxic pollutants from wastewater using Pt-Pd nanoparticles: Antioxidant, antibacterial and lipid peroxidation inhibition applications.. <i>Environmental Research</i> , <b>2022</b> , 208, 112708	7.9	7
259	Effects of CuO, TiO <sub>2</sub> and graphite microparticles on the heat transfer properties of greases <b>2022</b> , 30, 101044		
258	Preconcentrations of Cu (II) and Mn (II) by magnetic solid-phase extraction on Bacillus cereus loaded FeO nanomaterials.. <i>Environmental Research</i> , <b>2022</b> , 209, 112766	7.9	4
257	Arum italicum mediated silver nanoparticles: Synthesis and investigation of some biochemical parameters. <i>Environmental Research</i> , <b>2022</b> , 204, 112347	7.9	8
256	Determination of exposure to major iodide ion uptake inhibitors through drinking waters. <i>Environmental Research</i> , <b>2022</b> , 204, 112345	7.9	0
255	Characterization of Rheum ribes with ZnO nanoparticle and its antidiabetic, antibacterial, DNA damage prevention and lipid peroxidation prevention activity of in vitro. <i>Environmental Research</i> , <b>2022</b> , 204, 112363	7.9	10
254	Green synthesis, characterization and bioactivity of biogenic zinc oxide nanoparticles. <i>Environmental Research</i> , <b>2022</b> , 204, 111897	7.9	24
253	Facile bio-fabrication of Pd-Ag bimetallic nanoparticles and its performance in catalytic and pharmaceutical applications: Hydrogen production and in-vitro antibacterial, anticancer activities, and model development. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 180, 254-264	5.5	4
252	Phyto-mediated synthesis of nanoparticles and their applications on hydrogen generation on NaBH <sub>4</sub> , biological activities and photodegradation on azo dyes: Development of machine learning model.. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 163, 112972	4.7	0
251	Assessment of therapeutic potential of silver nanoparticles synthesized by Ferula Pseudalliacea rech. F. plant. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 140, 109417	3.1	1

250	Development of electrochemical aptasensors detecting phosphate ions on TMB substrate with epoxy-based mesoporous silica nanoparticles.. <i>Chemosphere</i> , <b>2022</b> , 134077	8.4	1
249	Fabrication of activated carbon supported modified with bimetallic-platin ruthenium nano sorbent for removal of azo dye from aqueous media using enhanced ultrasonic wave.. <i>Environmental Pollution</i> , <b>2022</b> , 302, 119033	9.3	0
248	Manufacturing Techniques of Magnetic Polymer Nanocomposites <b>2022</b> , 1-16		
247	Challenges in commercialization of carbon nanomaterial-based sensors <b>2022</b> , 381-392		
246	Diffusion and Transport Studies <b>2022</b> , 1-18		
245	Role of Nanofibers in Encapsulation of the Whole Cell. <i>International Journal of Polymer Science</i> , <b>2021</b> , 2021, 1-9	2.4	2
244	Biosynthesis of Ag-Pt bimetallic nanoparticles using propolis extract: Antibacterial effects and catalytic activity on NaBH hydrolysis.. <i>Environmental Research</i> , <b>2021</b> , 206, 112622	7.9	8
243	High-efficiency application of CTS-Co NPs mimicking peroxidase enzyme on TMB(ox).. <i>Chemosphere</i> , <b>2021</b> , 292, 133429	8.4	3
242	General Synthesis Methods of Inorganic Materials for Supercapacitors <b>2021</b> , 187-203		
241	New Inorganic Nanomaterials for Supercapacitors <b>2021</b> , 225-244		
240	Investigation of antibacterial, antifungal, antibiofilm, antioxidant and anticancer properties of methanol extracts of <i>Salvia marashica</i> Lm, Celep & Doġn and <i>Salvia caespitosa</i> Montbret & Aucher ex Benth plants with medicinal importance. <i>Chemosphere</i> , <b>2021</b> , 132602	8.4	3
239	Glucose nano biosensor with non-enzymatic excellent sensitivity prepared with nickel-cobalt nanocomposites on F-MWCNT. <i>Chemosphere</i> , <b>2021</b> , 291, 132720	8.4	4
238	Study on particle radiative properties of lignite, hard coal and biomass fly ashes in the infrared wavelength range. <i>Chemosphere</i> , <b>2021</b> , 132719	8.4	0
237	A novel bio-solid phase extractor for preconcentrations of Hg and Sn in food samples. <i>Environmental Research</i> , <b>2021</b> , 112231	7.9	1
236	A sensitive, fast, selective, and reusable enzyme-free glucose sensor based on monodisperse AuNi alloy nanoparticles on activated carbon support. <i>Chemosphere</i> , <b>2021</b> , 291, 132718	8.4	4
235	Development of Armillae mellea immobilized nanodiamond for the preconcentrations of Cr(III), Hg(II) and Zn(II). <i>Analytical Biochemistry</i> , <b>2021</b> , 617, 114122	3.1	2
234	Plant Prebiotics and Their Role in the Amelioration of Diseases. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	8
233	Green synthesis of palladium nanoparticles: Preparation, characterization, and investigation of antioxidant, antimicrobial, anticancer, and DNA cleavage activities. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35, e6272	3.1	15

232	Reuse of glass waste in the manufacture of ceramic tableware glazes. <i>Ceramics International</i> , <b>2021</b> , 47, 21061-21061	5.1	5
231	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , <b>2021</b> , 195, 110809	7.9	116
230	A new electrochemical method for the detection of quercetin in onion, honey and green tea using Co3O4 modified GCE. <i>Journal of Food Measurement and Characterization</i> , <b>2021</b> , 15, 3720-3730	2.8	13
229	Enhanced electrochemical performance of MnNiO/rGO nanocomposite as pseudocapacitor electrode material and methanol electro-oxidation catalyst. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	15
228	Extraction of Cu <sup>2+</sup> and Co <sup>2+</sup> by using Tricholoma populinum loaded onto Amberlite XAD-4. <i>International Journal of Environmental Science and Technology</i> , <b>2021</b> , 18, 185-194	3.3	9
227	Purification and characterization of thermostable $\alpha$ -amylase produced from Bacillus licheniformis So-B3 and its potential in hydrolyzing raw starch. <i>Life Sciences</i> , <b>2021</b> , 264, 118639	6.8	3
226	Tramadol sensing in non-invasive biological fluids using a voltammetric electronic tongue and an electrochemical sensor based on biomimetic recognition. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 593, 120114	6.5	8
225	Direct ethanol fuel cells (DEFCs) <b>2021</b> , 95-113		1
224	Investigation of the antibacterial properties of silver nanoparticles synthesized using Abelmoschus esculentus extract and their ceramic applications. <i>International Journal of Environmental Science and Technology</i> , <b>2021</b> , 18, 849-860	3.3	9
223	The synthesis and characterization of size-controlled monometallic nanoparticles <b>2021</b> , 449-463		
222	The material development and characterization of direct alcohol fuel cells <b>2021</b> , 53-73		1
221	Direct alcohol-fed solid oxide fuel cells <b>2021</b> , 481-510		
220	Ternary/quaternary nanomaterials for direct alcohol fuel cells <b>2021</b> , 157-172		5
219	Fabrication and properties of polymer electrolyte membranes (PEM) for direct methanol fuel cell application <b>2021</b> , 283-302		
218	Porous metal materials for polymer electrolyte membrane fuel cells <b>2021</b> , 187-207		0
217	Synthesis and characterization of nanocomposite membranes for high-temperature polymer electrolyte membranes (PEM) methanol fuel cells <b>2021</b> , 251-282		1
216	Different synthesis methods of nanomaterials for direct alcohol fuel cells <b>2021</b> , 405-431		
215	Fundamentals of alcohol fuel cells <b>2021</b> , 75-94		0

214	Pt-based catalysts for alcohol oxidation <b>2021</b> , 109-128		
213	Carbon-based nanomaterials for alcohol fuel cells <b>2021</b> , 319-336		0
212	Carbonaceous nanomaterials (carbon nanotubes, fullerenes, and nanofibers) for alcohol fuel cells <b>2021</b> , 303-317		0
211	Nanocatalysts for hydrogen evolution reactions from hydrazine borane <b>2021</b> , 197-218		
210	Electro-catalytic amplified sensor for determination of N-acetylcysteine in the presence of theophylline confirmed by experimental coupled theoretical investigation. <i>Scientific Reports</i> , <b>2021</b> , 11, 1006	4.9	2
209	Carbon-polymer hybrid-supported nanomaterials for alcohol fuel cells <b>2021</b> , 371-387		0
208	Catalysts for high-temperature fuel cells operated by alcohol fuels <b>2021</b> , 173-186		1
207	The synthesis and characterization of size-controlled bimetallic nanoparticles <b>2021</b> , 433-447		
206	Biocatalysis: Fundamentals and solvent parameters <b>2021</b> , 73-84		
205	Hydrogen generation by hydrolysis of NaBH <sub>4</sub> using nanocomposites <b>2021</b> , 231-248		0
204	The electrochemical mechanism and transport phenomenon of liquid fuel cells <b>2021</b> , 35-52		1
203	Monometallic nanomaterials for direct alcohol fuel cells <b>2021</b> , 129-143		
202	Bimetallic nanomaterials for direct alcohol fuel cells <b>2021</b> , 145-156		2
201	Metal organic framework-based nanocomposites for alcohol fuel cells <b>2021</b> , 353-370		1
200	The electrocatalysts with pH of the electrolyte for the complete pathways of the oxidation reactions <b>2021</b> , 95-107		
199	Commercial aspects of direct alcohol fuel cells <b>2021</b> , 511-524		0
198	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 184, 113252	11.8	171
197	Prevention of mat glazed acid permeability used in monoporous wall ceramics. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 23, 101628	7	0

196	Chemoselective hydrogenation of aromatic nitro compounds in the presence of homogeneous Pd based catalysts. <i>Chemosphere</i> , <b>2021</b> , 282, 130887	8.4	4
195	Magnetic nanoparticles <b>2021</b> , 197-236		3
194	Direct methanol fuel cells (DMFCs) <b>2021</b> , 71-94		2
193	Antimicrobial Effects of Metal, Metal Oxide Nanomaterials, and Sulfonamide Complexes. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 149-164	0.8	
192	Carbon-based nanostructures and nanomaterials <b>2021</b> , 103-130		0
191	The synthesis and characterization of Pt-based catalysts for hydrogen storage applications <b>2021</b> , 37-56		1
190	Polymer-based nanomaterials to use in hydrogen acquisition and hydrogen energy storage <b>2021</b> , 153-186		1
189	Nanocomposites for hydrolysis and dehydrogenation of dimethylamine borane <b>2021</b> , 79-95		
188	Topics on the fundamentals of the alcohol oxidation reactions in acid and alkaline electrolytes <b>2021</b> , 465-479		
187	Polymer-based nanocatalysts for alcohol fuel cells <b>2021</b> , 389-404		0
186	Dendrimer-based nanocomposites for alcohol fuel cells <b>2021</b> , 337-352		4
185	Use of silica-based homogeneously distributed gold nickel nanohybrid as a stable nanocatalyst for the hydrogen production from the dimethylamine borane. <i>Scientific Reports</i> , <b>2020</b> , 10, 7215	4.9	6
184	Monodisperse thiourea functionalized graphene oxide-based PtRu nanocatalysts for alcohol oxidation. <i>Scientific Reports</i> , <b>2020</b> , 10, 7811	4.9	6
183	The novel coronavirus 2019-nCoV: Its evolution and transmission into humans causing global COVID-19 pandemic. <i>International Journal of Environmental Science and Technology</i> , <b>2020</b> , 17, 1-8	3.3	11
182	A new magnetized thermophilic bacteria to preconcentrate uranium and thorium from environmental samples through magnetic solid-phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 186, 113315	3.5	16
181	Resistance, removal, and bioaccumulation of Ni (II) and Co (II) and their impacts on antioxidant enzymes of <i>Anoxybacillus mongoliensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2020</b> , 235, 108790	3.2	7
180	Bimetallic platinum-rhodium nanocomposites for dimethylamine borane dehydrogenation: an experimental and density functional theory study. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4624-4634	5.5	1
179	Biogenic nano silver: Synthesis, characterization, antibacterial, antibiofilms, and enzymatic activity. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 2942-2950	4.6	22

178	Oxidation of Benzyl Alcohol Compounds in the Presence of Carbon Hybrid Supported Platinum Nanoparticles (Pt@CHs) in Oxygen Atmosphere. <i>Scientific Reports</i> , <b>2020</b> , 10, 5439	4.9	23
177	Single-Walled Carbon Nanotube Supported PtNi Nanoparticles (PtNi@SWCNT) Catalyzed Oxidation of Benzyl Alcohols to the Benzaldehyde Derivatives in Oxygen Atmosphere. <i>Scientific Reports</i> , <b>2020</b> , 10, 9656	4.9	7
176	Bioactivity and molecular docking studies of some nickel complexes: New analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. <i>Bioorganic Chemistry</i> , <b>2020</b> , 101, 104066	5.1	16
175	Biogenic silver nanoparticles synthesized via Mimosa elengi fruit extract, a study on antibiofilm, antibacterial, and anticancer activities. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 59, 101864	4.5	26
174	Morphological and radiative characteristics of soot aggregates: Experimental and numerical research. <i>Scientific Reports</i> , <b>2020</b> , 10, 411	4.9	2
173	Palladium supported on polypyrrole/reduced graphene oxide nanoparticles for simultaneous biosensing application of ascorbic acid, dopamine, and uric acid. <i>Scientific Reports</i> , <b>2020</b> , 10, 2946	4.9	33
172	Calcium nutrition in fruit crops: Agronomic and physiological implications <b>2020</b> , 173-190		
171	A novel highly active and reusable carbon based platinum-ruthenium nanocatalyst for dimethylamine-borane dehydrogenation in water at room conditions. <i>Scientific Reports</i> , <b>2020</b> , 10, 7149	4.9	6
170	Synthesis, characterization and anticancer activity in vitro evaluation of novel dicyanoaurate (I)-based complexes. <i>Life Sciences</i> , <b>2020</b> , 251, 117635	6.8	2
169	Green synthesis and characterization of Camellia sinensis mediated silver nanoparticles for antibacterial ceramic applications. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 250, 123037	4.4	27
168	Handy and highly efficient oxidation of benzylic alcohols to the benzaldehyde derivatives using heterogeneous Pd/AlO(OH) nanoparticles in solvent-free conditions. <i>Scientific Reports</i> , <b>2020</b> , 10, 5731	4.9	9
167	Monodisperse Pt-Co/GO anodes with varying Pt: Co ratios as highly active and stable electrocatalysts for methanol electrooxidation reaction. <i>Scientific Reports</i> , <b>2020</b> , 10, 6114	4.9	23
166	Preparation, characterization and adsorption kinetics of methylene blue dye in reduced-graphene oxide supported nano-adsorbents. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 113171	6	33
165	Ionic Liquids for the Sustainable Development of Chemistry. <i>Nanotechnology in the Life Sciences</i> , <b>2020</b> , 99-111	1.1	
164	A Novel Biosorbent for Preconcentrations of Co(II) and Hg(II) in Real Samples. <i>Scientific Reports</i> , <b>2020</b> , 10, 455	4.9	11
163	A Novel Hydrogenation of Nitroarene Compounds with Multi Wall Carbon Nanotube Supported Palladium/Copper Nanoparticles (PdCu@MWCNT NPs) in Aqueous Medium. <i>Scientific Reports</i> , <b>2020</b> , 10, 8043	4.9	11
162	Biogenic platinum nanoparticles using black cumin seed and their potential usage as antimicrobial and anticancer agent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 179, 112961	3.5	59
161	Synthesis and characterization of Reishi mushroom-mediated green synthesis of silver nanoparticles for the biochemical applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 178, 112970	3.5	85



160	Composites of palladium nanoparticles and graphene oxide as a highly active and reusable catalyst for the hydrogenation of nitroarenes. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 296, 110014	5.3	25
159	A novel high performance non-enzymatic electrochemical glucose biosensor based on activated carbon-supported Pt-Ni nanocomposite. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 300, 112355	6	34
158	Biogenic silver nanoparticles synthesized from Rhododendron ponticum and their antibacterial, antibiofilm and cytotoxic activities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 179, 112993	3.5	28
157	Toxicological effects of some antiparasitic drugs on equine liver glutathione S-Transferase enzyme activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 180, 113048	3.5	5
156	Synthesis, characterization, and application of transition metals (Ni, Zr, and Fe) doped TiO <sub>2</sub> photoelectrodes for dye-sensitized solar cells. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 299, 112177	6	23
155	Enhancements in self-curing composites <b>2020</b> , 177-192		
154	Principal and mechanism of self-repair of polymer matrix composite materials <b>2020</b> , 193-208		
153	Biological synthesis of silver nanoparticles using Rheum ribes and evaluation of their anticarcinogenic and antimicrobial potential: A novel approach in phytonanotechnology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 179, 113012	3.5	41
152	Suppressor capacity of copper nanoparticles biosynthesized using Crocus sativus L. leaf aqueous extract on methadone-induced cell death in adrenal pheochromocytoma (PC12) cell line. <i>Scientific Reports</i> , <b>2020</b> , 10, 11631	4.9	1
151	A new nickel-based co-crystal complex electrocatalyst amplified by NiO dope Pt nanostructure hybrid; a highly sensitive approach for determination of cysteamine in the presence of serotonin. <i>Scientific Reports</i> , <b>2020</b> , 10, 11699	4.9	178
150	Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. <i>Scientific Reports</i> , <b>2020</b> , 10, 11057	4.9	10
149	Sonochemical methods and their leading properties for chemical synthesis <b>2020</b> , 355-365		0
148	Fruit Extract Mediated Green Synthesis of Metallic Nanoparticles: A New Avenue in Pomology Applications. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	24
147	Novel green synthesis and antioxidant, cytotoxicity, antimicrobial, antidiabetic, anticholinergics, and wound healing properties of cobalt nanoparticles containing Ziziphora clinopodioides Lam leaves extract. <i>Scientific Reports</i> , <b>2020</b> , 10, 12195	4.9	6
146	Monodisperse palladium-cobalt alloy nanocatalyst supported on activated carbon (AC) as highly effective catalyst for the DMAB dehydrocoupling. <i>Scientific Reports</i> , <b>2020</b> , 10, 11755	4.9	3
145	Metallo components exhibiting significant anticancer and antibacterial properties: a novel sandwich-type like polymeric structure. <i>Scientific Reports</i> , <b>2020</b> , 10, 12472	4.9	4
144	Synthesis and characterization of trimeric phosphazene based ionic liquids with tetrafluoroborate anions and their thermal investigations. <i>Scientific Reports</i> , <b>2020</b> , 10, 11705	4.9	2
143	Synthesis of benzylidenemalononitrile by Knoevenagel condensation through monodisperse carbon nanotube-based NiCu nanohybrids. <i>Scientific Reports</i> , <b>2020</b> , 10, 12758	4.9	6



142	Palladium/ruthenium supported on graphene oxide (PdRu@GO) as an efficient, stable and rapid catalyst for hydrogen production from DMAB under room conditions. <i>Renewable Energy</i> , <b>2020</b> , 161, 200-206	8.1	10
141	Preparation and characterization of diatomite and hydroxyapatite reinforced porous polyurethane foam biocomposites. <i>Scientific Reports</i> , <b>2020</b> , 10, 13308	4.9	10
140	Retraction Note: Novel green synthesis and antioxidant, cytotoxicity, antimicrobial, antidiabetic, anticholinergics, and wound healing properties of cobalt nanoparticles containing Ziziphora clinopodioides Lam leaves extract. <i>Scientific Reports</i> , <b>2020</b> , 10, 14826	4.9	2
139	Bimetallic palladium-cobalt nanomaterials as highly efficient catalysts for dehydrocoupling of dimethylamine borane. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 3569-3576	6.7	15
138	Medicinal Applications of Photocatalysts. <i>Environmental Chemistry for A Sustainable World</i> , <b>2020</b> , 245-265.	8	
137	Efficient preparation and application of monodisperse palladium loaded graphene oxide as a reusable and effective heterogeneous catalyst for suzuki cross-coupling reaction. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 298, 111967	6	23
136	Palladium-Nickel nanoparticles decorated on Functionalized-MWCNT for high precision non-enzymatic glucose sensing. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 250, 123042	4.4	184
135	Diffusion, Transport and Water Absorption Properties of Eco-Friendly Polymer Composites <b>2019</b> , 23, 222-231		2
134	Composites of Bimetallic Platinum-Cobalt Alloy Nanoparticles and Reduced Graphene Oxide for Electrochemical Determination of Ascorbic Acid, Dopamine, and Uric Acid. <i>Scientific Reports</i> , <b>2019</b> , 9, 12258	4.9	43
133	Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials. <i>Bioorganic Chemistry</i> , <b>2019</b> , 92, 103213	5.1	41
132	Multiwalled carbon nanotube-based nanosensor for ultrasensitive detection of uric acid, dopamine, and ascorbic acid. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 248-254	8.3	67
131	Synthesis, Characterization, and Applications of Hemicellulose Based Eco-friendly Polymer Composites <b>2019</b> , 293-311		1
130	Numerical Investigations of Stall Development in a Transonic Axial Compressor Stage. <i>BioNanoScience</i> , <b>2019</b> , 9, 461-473	3.4	0
129	Polymer-graphene hybrid stabilized ruthenium nanocatalysts for the dimethylamine-borane dehydrogenation at ambient conditions. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 279, 578-583	6	27
128	Thermodynamic Kinetics and Sorption of Bovine Serum Albumin with Different Clay Materials <b>2019</b> , 139-154		2
127	Synergistic and Antagonistic Effects of Phenylalanine and Various Antibiotics on the Growth of Pathogenic Bacteria. <i>BioNanoScience</i> , <b>2019</b> , 9, 446-452	3.4	1
126	Ex situ synthesis and characterization of a polymer-carbon nanotube-based hybrid nanocatalyst with one of the highest catalytic activities and stabilities for the hydrolytic dehydrogenation of hydrazine-borane at room temperature conditions. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 432-438	9.3	8
125	Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 174, 206-213	3.5	11

124	Equilibrium, Kinetics and Thermodynamics of Bovine Serum Albumin from Carbon Based Materials Obtained from Food Wastes. <i>BioNanoScience</i> , <b>2019</b> , 9, 692-701	3-4	5
123	Binary Palladium-Nickel/Vulcan carbon-based nanoparticles as highly efficient catalyst for hydrogen evolution reaction at room temperature. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 101, 92-98	5-3	12
122	The Kinetic Parameters of Adsorption of Enzymes Using Carbon-Based Materials Obtained from Different Food Wastes. <i>BioNanoScience</i> , <b>2019</b> , 9, 749-757	3-4	6
121	Thermodynamics, Kinetics, and Adsorption Properties of Biomolecules onto Carbon-Based Materials Obtained from Food Wastes. <i>BioNanoScience</i> , <b>2019</b> , 9, 672-682	3-4	6
120	Glutathione S-Transferase: Purification and Characterization of from Cherry Laurel ( <i>Prunus laurocerasus</i> L.) and the Investigation In Vitro Effects of Some Metal Ions and Organic Compounds on Enzyme Activity. <i>BioNanoScience</i> , <b>2019</b> , 9, 683-691	3-4	7
119	Composites of Palladium-Nickel Alloy Nanoparticles and Graphene Oxide for the Knoevenagel Condensation of Aldehydes with Malononitrile. <i>ACS Omega</i> , <b>2019</b> , 4, 6848-6853	3-9	42
118	Catalytic methanolysis and hydrolysis of hydrazine-borane with monodisperse Ru NPs@nano-CeO <sub>2</sub> catalyst for hydrogen generation at room temperature. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 13432-13442	6-7	20
117	Monodisperse ruthenium copper alloy nanoparticles decorated on reduced graphene oxide for dehydrogenation of DMAB. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 10744-10751	6-7	40
116	A new highly active polymer supported ruthenium nanocatalyst for the hydrolytic dehydrogenation of dimethylamine-borane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 99, 60-65	5-3	18
115	Equilibrium, Kinetics, and Thermodynamic of Adsorption of Enzymes on Diatomite Clay Materials. <i>BioNanoScience</i> , <b>2019</b> , 9, 474-482	3-4	9
114	Highly monodispersed palladium-ruthenium alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) for dehydrocoupling of dimethylamine-borane: An experimental and density functional theory study. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 546, 83-91	9-3	17
113	Highly active and reusable nanocomposites for hydrogen generation <b>2019</b> , 27-41		1
112	Monodisperse PVP-stabilized nanoclusters as highly efficient and reusable catalysts for the dehydrogenation of dimethyl ammonia-borane (DMAB) <b>2019</b> , 601-614		0
111	Monodisperse Ru Rh bimetallic nanocatalyst as highly efficient catalysts for hydrogen generation from hydrolytic dehydrogenation of methylamine-borane. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 285, 1-8	6	18
110	Purification and characterization of glutathione S-transferase from blueberry fruits (L.) and investigated of some pesticide inhibition effects on enzyme activity. <i>Heliyon</i> , <b>2019</b> , 5, e01422	3-6	16
109	Photocatalysts for Artificial Photosynthesis. <i>Environmental Chemistry for A Sustainable World</i> , <b>2019</b> , 103-123	1-23	2
108	Nanocarbon-supported catalysts for the efficient dehydrogenation of dimethylamine borane <b>2019</b> , 615-628		6
107	Radiative properties of hematite particles in the UV-visible spectrum. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 139, 79-87	4-1	3

106	Magnetic nanocomposites decorated on multiwalled carbon nanotube for removal of Maxilon Blue 5G using the sono-Fenton method. <i>Scientific Reports</i> , <b>2019</b> , 9, 10850	4.9	19
105	Composites of Platinum-Iridium Alloy Nanoparticles and Graphene Oxide for the Dimethyl Amine Borane (DMAB) dehydrogenation at ambient conditions: An Experimental and Density Functional Theory Study. <i>Scientific Reports</i> , <b>2019</b> , 9, 15543	4.9	6
104	Single-walled carbon nanotube supported Pt-Ru bimetallic superb nanocatalyst for the hydrogen generation from the methanolysis of methylamine-borane at mild conditions. <i>Scientific Reports</i> , <b>2019</b> , 9, 15724	4.9	20
103	Comparison of nanoscale zero-valent iron, fenton, and photo-fenton processes for degradation of pesticide 2,4-dichlorophenoxyacetic acid in aqueous solution. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	11
102	Graphene-Based Nanomaterials for Hydrogen Storage. <i>Carbon Nanostructures</i> , <b>2019</b> , 229-245	0.6	
101	Ionic Polymer-Metal Composite Membranes Methods of Preparation. <i>Engineering Materials</i> , <b>2019</b> , 139-148	4.4	
100	Ionic Polymer-Metal Composite Actuators Operable in Dry Conditions. <i>Engineering Materials</i> , <b>2019</b> , 149-159	4.4	1
99	Graphene Functionalizations on Copper by Spectroscopic Techniques. <i>Carbon Nanostructures</i> , <b>2019</b> , 313-333	3.3	
98	Enhanced Electrocatalytic Activity and Durability of PtRu Nanoparticles Decorated on rGO Material for Ethanol Oxidation Reaction. <i>Carbon Nanostructures</i> , <b>2019</b> , 389-398	0.6	6
97	Electrochemical Detection of Dopamine in the Presence of Uric Acid Using Graphene Oxide Modified Electrode as Highly Sensitive and Selective Sensors. <i>Carbon Nanostructures</i> , <b>2019</b> , 179-192	0.6	2
96	Use of the monodisperse Pt/Ni@rGO nanocomposite synthesized by ultrasonic hydroxide assisted reduction method in electrochemical nonenzymatic glucose detection. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 951-956	8.3	56
95	Synthesis, characterization, kinetics and adsorption properties of Pt-Co@GO nano-adsorbent for methylene blue removal in the aquatic mediums using ultrasonic process systems. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 296, 112100	6	28
94	Highly monodisperse Pd-Ni nanoparticles supported on rGO as a rapid, sensitive, reusable and selective enzyme-free glucose sensor. <i>Scientific Reports</i> , <b>2019</b> , 9, 19228	4.9	23
93	Polypyrrole-multi walled carbon nanotube hybrid material supported Pt NPs for hydrogen evolution from the hydrolysis of MeAB at mild conditions. <i>Scientific Reports</i> , <b>2019</b> , 9, 18553	4.9	13
92	Synthesis and characterization of -mediated biogenic silver nanoparticles for anti-oxidant, antibacterial, antifungal, and DNA cleavage activities. <i>Heliyon</i> , <b>2019</b> , 5, e02980	3.6	39
91	Analysis of DNA protection, interaction and antimicrobial activity of isatin derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 1271-1278	7.9	14
90	Metal-organic frameworks based on monodisperse palladium cobalt nanohybrids as highly active and reusable nanocatalysts for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 2988-2996	6.7	17
89	Investigation of Asymmetric Dimethylarginine, Adiponectin, Zn, and Cu Levels in Obese Subjects. <i>BioNanoScience</i> , <b>2019</b> , 9, 30-37	3.4	1

88	Graphene and polymer composites for supercapacitor applications <b>2019</b> , 123-151		16
87	Highly efficient monodisperse Pt nanoparticles confined in the carbon black hybrid material for hydrogen liberation. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 520, 112-118	9.3	49
86	Hydrogen liberation from the hydrolytic dehydrogenation of hydrazine borane in acidic media. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 17978-17983	6.7	18
85	Highly sensitive glucose sensor based on monodisperse palladium nickel/activated carbon nanocomposites. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1010, 37-43	6.6	97
84	Cytotoxic effects of platinum nanoparticles obtained from pomegranate extract by the green synthesis method on the MCF-7 cell line. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 119-124	6	114
83	Investigation of electrocatalytic activity and stability of Pt@f-VC catalyst prepared by in-situ synthesis for Methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 385-390	6.7	36
82	Bimetallic palladium/iridium alloy nanoparticles as highly efficient and stable catalyst for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 20183-20191	6.7	41
81	High-performance graphite-supported ruthenium nanocatalyst for hydrogen evolution reaction. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 268, 807-812	6	38
80	Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on $\alpha$ -glucosidase, $\alpha$ -amylase and human glutathione S-transferase enzymes. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 741-746	7.9	132
79	Silica-based monodisperse PdCo nanohybrids as highly efficient and stable nanocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 20234-20242	6.7	38
78	Monodisperse palladium nanocatalysts for dehydrocoupling of dimethylamineborane. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 16, 209-214	5.6	31
77	Highly Active and Reusable Pd/AlO(OH) Nanoparticles for the Suzuki Cross-Coupling Reaction. <i>Current Organocatalysis</i> , <b>2018</b> , 5, 34-41	1.2	16
76	Trimetallic PdRuNi nanocomposites decorated on graphene oxide: A superior catalyst for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 17984-17992	6.7	42
75	Monodisperse palladium nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamine-borane. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 20176-20182	6.7	44
74	Nanostructured Polyaniline-rGO decorated platinum catalyst with enhanced activity and durability for Methanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 1337-1343	6.7	95
73	Enhanced electrocatalytic activity and stability of monodisperse Pt nanocomposites for direct methanol fuel cells. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 513, 767-773	9.3	79
72	A novel thiocarbamide functionalized graphene oxide supported bimetallic monodisperse Rh-Pt nanoparticles (RhPt/TC@GO NPs) for Knoevenagel condensation of aryl aldehydes together with malononitrile. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 225, 148-153	21.8	69
71	Immobilization kinetics and mechanism of bovine serum albumin on diatomite clay from aqueous solutions. <i>Applied Water Science</i> , <b>2018</b> , 8, 1	5	17

70	The dye removal from aqueous solution using polymer composite films. <i>Applied Water Science</i> , <b>2018</b> , 8, 1	5	35
69	Highly efficient polymer supported monodisperse ruthenium-nickel nanocomposites for dehydrocoupling of dimethylamine borane. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 480-486	9.3	56
68	Carbon-nanotube-based rhodium nanoparticles as highly-active catalyst for hydrolytic dehydrogenation of dimethylamineborane at room temperature. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 530, 321-327	9.3	46
67	Rapid, sensitive, and reusable detection of glucose by highly monodisperse nickel nanoparticles decorated functionalized multi-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 728-733	11.8	123
66	Highly Monodisperse Pt/Rh Nanoparticles Confined in the Graphene Oxide for Highly Efficient and Reusable Sorbents for Methylene Blue Removal from Aqueous Solutions. <i>ChemistrySelect</i> , <b>2017</b> , 2, 697-701	7.8	41
65	Carbon Based Nanomaterials for High Performance Optoelectrochemical Systems. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1548-1555	1.8	27
64	Different ligand based monodispersed Pt nanoparticles decorated with rGO as highly active and reusable catalysts for the methanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 13061-13069	6.7	87
63	Highly efficient catalytic dehydrogenation of dimethyl ammonia borane via monodisperse palladiumnickel alloy nanoparticles assembled on PEDOT. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23307-23314	6.7	61
62	Enhanced optical and electrical properties of PEDOT via nanostructured carbon materials: A comparative investigation. <i>Nano Structures Nano Objects</i> , <b>2017</b> , 11, 13-19	5.6	42
61	Hydrogen liberation from the dehydrocoupling of dimethylamineborane at room temperature by using novel and highly monodispersed RuPtNi nanocatalysts decorated with graphene oxide. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23299-23306	6.7	69
60	Polymer-graphene hybride decorated Pt nanoparticles as highly efficient and reusable catalyst for the dehydrogenation of dimethylamineborane at room temperature. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23284-23291	6.7	64
59	A novel monodisperse metal nanoparticles anchored graphene oxide as Counter Electrode for Dye-Sensitized Solar Cells. <i>Nano Structures Nano Objects</i> , <b>2017</b> , 12, 41-45	5.6	44
58	Recent Advances in the Reduction of Nitro Compounds by Heterogenous Catalysts. <i>Current Organic Chemistry</i> , <b>2017</b> , 21, 794-820	1.7	56
57	Activated Carbon Furnished Monodisperse Pt Nanocomposites as a Superior Adsorbent for Methylene Blue Removal from Aqueous Solutions. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 4799-4804	1.3	31
56	Bimetallic PdRu/graphene oxide based Catalysts for one-pot three-component synthesis of 2-amino-4H-chromene derivatives. <i>Nano Structures Nano Objects</i> , <b>2017</b> , 12, 33-40	5.6	36
55	Investigation of the effect of pomegranate extract and monodisperse silver nanoparticle combination on MCF-7 cell line. <i>Journal of Biotechnology</i> , <b>2017</b> , 260, 79-83	3.7	52
54	A hydrogen peroxide sensor based on TNM functionalized reduced graphene oxide grafted with highly monodisperse Pd nanoparticles. <i>Analytica Chimica Acta</i> , <b>2017</b> , 989, 88-94	6.6	76
53	Enhanced electrocatalytic activity and durability of Pt nanoparticles decorated on GO-PVP hybride material for methanol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 511-516	21.8	149



52	One-pot three-component synthesis of 2-Amino-4H-Chromene derivatives by using monodisperse Pd nanomaterials anchored graphene oxide as highly efficient and recyclable catalyst. <i>Nano Structures Nano Objects</i> , <b>2017</b> , 11, 25-31	5.6	63
51	Highly monodisperse RuCo nanoparticles decorated on functionalized multiwalled carbon nanotube with the highest observed catalytic activity in the dehydrogenation of dimethylamineborane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23292-23298	6.7	87
50	Monodisperse palladiumnickel alloy nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamineborane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23276-23283	6.7	76
49	Highly efficient Pt nanoparticles and f-MWCNT nanocomposites based counter electrodes for dye-sensitized solar cells. <i>Nano Structures Nano Objects</i> , <b>2017</b> , 11, 39-45	5.6	43
48	Reduced graphene oxide (rGO) as highly effective material for the ultrasound assisted boric acid extraction from ulexite ore. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 117, 542-548	5.5	16
47	Synthesis of 5-Substituted-1H-Tetrazole Derivatives Using Monodisperse Carbon Black Decorated Pt Nanoparticles as Heterogeneous Nanocatalysts. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 1992-1999	1.3	29
46	Highly monodisperse Pt(0)@AC NPs as highly efficient and reusable catalysts: the effect of the surfactant on their catalytic activities in room temperature dehydrocoupling of DMAB. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1685-1692	5.5	61
45	Functionalized Multi-Walled Carbon Nanotubes (f-MWCNT) as Highly Efficient and Reusable Heterogeneous Catalysts for the Synthesis of Acridinedione Derivatives. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3861-3865	1.8	17
44	Synthesis and Characterization of Nearly Monodisperse Pt Nanoparticles for C1 to C3 Alcohol Oxidation and Dehydrogenation of Dimethylamine-borane (DMAB). <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 5944-50	1.3	50
43	Monodisperse Pt Nanoparticles Assembled on Reduced Graphene Oxide: Highly Efficient and Reusable Catalyst for Methanol Oxidation and Dehydrocoupling of Dimethylamine-Borane (DMAB). <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 5951-8	1.3	75
42	Nearly monodisperse carbon nanotube furnished nanocatalysts as highly efficient and reusable catalyst for dehydrocoupling of DMAB and C1 to C3 alcohol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 3093-3101	6.7	84
41	Monodisperse Pt(0)/DPA@GO nanoparticles as highly active catalysts for alcohol oxidation and dehydrogenation of DMAB. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 5661-5669	6.7	92
40	Eco-friendly hydrogenation of aromatic aldehyde compounds by tandem dehydrogenation of dimethylamine-borane in the presence of a reduced graphene oxide furnished platinum nanocatalyst. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2318-2324	5.5	75
39	One-pot, efficient and green synthesis of acridinedione derivatives using highly monodisperse platinum nanoparticles supported with reduced graphene oxide. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 748-754	3.6	69
38	New Pt(0) Nanoparticles as Highly Active and Reusable Catalysts in the C1-C3 Alcohol Oxidation and the Room Temperature Dehydrocoupling of Dimethylamine-Borane (DMAB). <i>Journal of Cluster Science</i> , <b>2016</b> , 27, 9-23	3	69
37	Carbon black hybrid material furnished monodisperse platinum nanoparticles as highly efficient and reusable electrocatalysts for formic acid electro-oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 32858-32862	3.7	37
36	Monodispersed palladiumcobalt alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) (PVP) as a highly effective catalyst for dimethylamine borane (DMAB) dehydrocoupling. <i>RSC Advances</i> , <b>2016</b> , 6, 24097-24102	3.7	91
35	Graphene Oxide as Highly Effective and Readily Recyclable Catalyst Using for the One-Pot Synthesis of 1,8-Dioxoacridine Derivatives. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 6498-504	1.3	64

34	Microwave (Mw)-assisted Synthesis of 5-Substituted 1H-Tetrazoles via [3+2] Cycloaddition Catalyzed by Mw-Pd/Co Nanoparticles Decorated on Multi-Walled Carbon Nanotubes. <i>ChemistrySelect</i> , <b>2016</b> , 1, 1695-1701	1.8	19
33	Superior Monodisperse CNT-Supported CoPd (CoPd@CNT) Nanoparticles for Selective Reduction of Nitro Compounds to Primary Amines with NaBH <sub>4</sub> in Aqueous Medium. <i>ChemistrySelect</i> , <b>2016</b> , 1, 2366-2372	1.8	28
32	One-pot synthesis of Hantzsch dihydropyridines using a highly efficient and stable PdRuNi@GO catalyst. <i>RSC Advances</i> , <b>2016</b> , 6, 76948-76956	3.7	74
31	Monodisperse Mw-Pt NPs@VC as Highly Efficient and Reusable Adsorbents for Methylene Blue Removal. <i>Journal of Cluster Science</i> , <b>2016</b> , 27, 1953-1962	3	27
30	Highly Efficient and Monodisperse Graphene Oxide Furnished Ru/Pd Nanoparticles for the Dehalogenation of Aryl Halides via Ammonia Borane. <i>ChemistrySelect</i> , <b>2016</b> , 1, 953-958	1.8	55
29	A rapid and novel method for the synthesis of 5-substituted 1H-tetrazole catalyzed by exceptional reusable monodisperse Pt NPs@AC under the microwave irradiation. <i>RSC Advances</i> , <b>2015</b> , 5, 68558-68564	2.7	60
28	Pt NPs@GO as a highly efficient and reusable catalyst for one-pot synthesis of acridinedione derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 49295-49300	3.7	69
27	Plant nanobionics approach to augment photosynthesis and biochemical sensing. <i>Nature Materials</i> , <b>2014</b> , 13, 400-8	27	612
26	Spatiotemporal intracellular nitric oxide signaling captured using internalized, near-infrared fluorescent carbon nanotube nanosensors. <i>Nano Letters</i> , <b>2014</b> , 14, 4887-94	11.5	67
25	Amylamine stabilized platinum(0) nanoparticles: active and reusable nanocatalyst in the room temperature dehydrogenation of dimethylamine-borane. <i>RSC Advances</i> , <b>2014</b> , 4, 1526-1531	3.7	92
24	Molecular recognition using corona phase complexes made of synthetic polymers adsorbed on carbon nanotubes <b>2014</b> ,		1
23	Pt nanoparticles synthesized with new surfactants: improvement in C1 to C3 alcohol oxidation catalytic activity. <i>Journal of Applied Electrochemistry</i> , <b>2014</b> , 44, 199-207	2.6	42
22	Excess thermopower and the theory of thermopower waves. <i>ACS Nano</i> , <b>2013</b> , 7, 6533-44	16.7	58
21	In vivo biosensing via tissue-localizable near-infrared-fluorescent single-walled carbon nanotubes. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 873-80	28.7	257
20	Molecular recognition using corona phase complexes made of synthetic polymers adsorbed on carbon nanotubes. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 959-68	28.7	205
19	High performance Pt nanoparticles prepared by new surfactants for C1 to C3 alcohol oxidation reactions. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	46
18	Effect of Reductive Dithiothreitol and Trolox on Nitric Oxide Quenching of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 593-602	3.8	34
17	Application of Nanoparticle Antioxidants to Enable Hyperstable Chloroplasts for Solar Energy Harvesting. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 881-893	21.8	80



16	The preparation and characterization of nano-sized PtPd/C catalysts and comparison of their superior catalytic activities for methanol and ethanol oxidation. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 8134-8144	4.3	66
15	Observation of oscillatory surface reactions of riboflavin, trolox, and singlet oxygen using single carbon nanotube fluorescence spectroscopy. <i>ACS Nano</i> , <b>2012</b> , 6, 10632-45	16.7	45
14	Platinum nanocatalysts prepared with different surfactants for C103 alcohol oxidations and their surface morphologies by AFM. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	41
13	Effects of sodium hypochlorite on gutta-percha and Resilon cones: an atomic force microscopy and scanning electron microscopy study. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2011</b> , 112, e21-6		9
12	Efficiency enhancement of methanol/ethanol oxidation reactions on Pt nanoparticles prepared using a new surfactant, 1,1-dimethyl heptanethiol. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 1676-84	2.6	70
11	Preparation and characterization of nano-sized Pt-Ru/C catalysts and their superior catalytic activities for methanol and ethanol oxidation. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 6784-92	3.6	102
10	Improving Catalytic Efficiency in the Methanol Oxidation Reaction by Inserting Ru in Face-Centered Cubic Pt Nanoparticles Prepared by a New Surfactant, tert-Octanethiol. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 1858-1864	4.1	44
9	Different Sized Platinum Nanoparticles Supported on Carbon: An XPS Study on These Methanol Oxidation Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 5715-5720	3.8	222
8	Recent Advances in the Synthesis and Applications of Inorganic Polymer. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2007</b> , 182, 2861-2880	1	8
7	Activity of Carbon-Supported Platinum Nanoparticles toward Methanol Oxidation Reaction: Role of Metal Precursor and a New Surfactant, tert-Octanethiol. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1467-1473	3.8	91
6	Spectroscopic and crystal structure analysis of diamminebis(2,4,6-triiodophenolato-O) copper(II). <i>Crystal Research and Technology</i> , <b>2006</b> , 41, 523-527	1.3	
5	Atom Transfer Rearrangement Radical Polymerization of Diamminebis(2,4,6-trihalophenolato)copper(II) Complexes in the Solid State. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2006</b> , 61, 1222-1228	1	1
4	Spectroscopic, Magnetic and Crystal Structure Analysis of Diammine-bis(2,6-dibromo-4-chlorophenolato-O)copper(II). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2005</b> , 60, 543-547	1	1
3	Assessment of heavy metal contamination and its sources in urban soils of district Hyderabad, Pakistan using GIS and multivariate analysis. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	2
2	Characterization and antioxidant-antimicrobial activity of silver nanoparticles synthesized using Punica granatum extract. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	3
1	A Tramadol Drug Electrochemical Sensor Amplified by Biosynthesized Au Nanoparticle Using Mentha aquatic Extract and Ionic Liquid. <i>Topics in Catalysis</i> , 1	2.3	11