# Fatih sen

## List of Publications by Citations



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| 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 | Plant nanobionics approach to augment photosynthesis and biochemical sensing. *Nature Materials*, **2014**, 13, 400-8 | 27 | 612 |
| 266 | In vivo biosensing via tissue-localizable near-infrared-fluorescent single-walled carbon nanotubes. *Nature Nanotechnology*, **2013**, 8, 873-80 | 28.7 | 257 |
| 265 | Different Sized Platinum Nanoparticles Supported on Carbon: An XPS Study on These Methanol Oxidation Catalysts. *Journal of Physical Chemistry C*, **2007**, 111, 5715-5720 | 3.8 | 222 |
| 264 | Molecular recognition using corona phase complexes made of synthetic polymers adsorbed on carbon nanotubes. *Nature Nanotechnology*, **2013**, 8, 959-68 | 28.7 | 205 |
| 263 | Palladium□Nickel nanoparticles decorated on Functionalized-MWCNT for high precision non-enzymatic glucose sensing. *Materials Chemistry and Physics*, **2020**, 250, 123042 | 4.4 | 184 |
| 262 | 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. *Scientific Reports*, **2020**, 10, 11699 | 4.9 | 178 |
| 261 | A critical review on the use of potentiometric based biosensors for biomarkers detection. *Biosensors and Bioelectronics*, **2021**, 184, 113252 | 11.8 | 171 |
| 260 | Enhanced electrocatalytic activity and durability of Pt nanoparticles decorated on GO-PVP hybride material for methanol oxidation reaction. *Applied Catalysis B: Environmental*, **2017**, 219, 511-516 | 21.8 | 149 |
| 259 | Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on □glycosidase, □amylase and human glutathione S-transferase enzymes. *International Journal of Biological Macromolecules*, **2018**, 119, 741-746 | 7.9 | 132 |
| 258 | Rapid, sensitive, and reusable detection of glucose by highly monodisperse nickel nanoparticles decorated functionalized multi-walled carbon nanotubes. *Biosensors and Bioelectronics*, **2017**, 91, 728-733 | 11.8 | 123 |
| 257 | Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. *Environmental Research*, **2021**, 195, 110809 | 7.9 | 116 |
| 256 | Cytotoxic effects of platinum nanoparticles obtained from pomegranate extract by the green synthesis method on the MCF-7 cell line. *Colloids and Surfaces B: Biointerfaces*, **2018**, 163, 119-124 | 6 | 114 |
| 255 | Preparation and characterization of nano-sized Pt-Ru/C catalysts and their superior catalytic activities for methanol and ethanol oxidation. *Physical Chemistry Chemical Physics*, **2011**, 13, 6784-92 | 3.6 | 102 |
| 254 | Highly sensitive glucose sensor based on monodisperse palladium nickel/activated carbon nanocomposites. *Analytica Chimica Acta*, **2018**, 1010, 37-43 | 6.6 | 97 |
| 253 | Nanostructured Polyaniline-rGO decorated platinum catalyst with enhanced activity and durability for Methanol oxidation. *International Journal of Hydrogen Energy*, **2018**, 43, 1337-1343 | 6.7 | 95 |
| 252 | Monodisperse Pt(0)/DPA@GO nanoparticles as highly active catalysts for alcohol oxidation and dehydrogenation of DMAB. *International Journal of Hydrogen Energy*, **2016**, 41, 5661-5669 | 6.7 | 92 |
| 251 | Amylamine stabilized platinum(0) nanoparticles: active and reusable nanocatalyst in the room temperature dehydrogenation of dimethylamine-borane. *RSC Advances*, **2014**, 4, 1526-1531 | 3.7 | 92 |

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| 250 | Activity of Carbon-Supported Platinum Nanoparticles toward Methanol Oxidation Reaction: Role of Metal Precursor and a New Surfactant, tert-Octanethiol. *Journal of Physical Chemistry C*, **2007**, 111, 1467-1473 | 3.8 | 91 |
| 249 | Monodispersed palladium–cobalt alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) (PVP) as a highly effective catalyst for dimethylamine borane (DMAB) dehydrocoupling. *RSC Advances*, **2016**, 6, 24097-24102 | 3.7 | 91 |
| 248 | Different ligand based monodispersed Pt nanoparticles decorated with rGO as highly active and reusable catalysts for the methanol oxidation. *International Journal of Hydrogen Energy*, **2017**, 42, 13061-13069 | 6.7 | 87 |
| 247 | Highly monodisperse RuCo nanoparticles decorated on functionalized multiwalled carbon nanotube with the highest observed catalytic activity in the dehydrogenation of dimethylamine–borane. *International Journal of Hydrogen Energy*, **2017**, 42, 23292-23298 | 6.7 | 87 |
| 246 | Synthesis and characterization of Reishi mushroom-mediated green synthesis of silver nanoparticles for the biochemical applications. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 178, 112970 | 3.5 | 85 |
| 245 | Nearly monodisperse carbon nanotube furnished nanocatalysts as highly efficient and reusable catalyst for dehydrocoupling of DMAB and C1 to C3 alcohol oxidation. *International Journal of Hydrogen Energy*, **2016**, 41, 3093-3101 | 6.7 | 84 |
| 244 | Application of Nanoparticle Antioxidants to Enable Hyperstable Chloroplasts for Solar Energy Harvesting. *Advanced Energy Materials*, **2013**, 3, 881-893 | 21.8 | 80 |
| 243 | Enhanced electrocatalytic activity and stability of monodisperse Pt nanocomposites for direct methanol fuel cells. *Journal of Colloid and Interface Science*, **2018**, 513, 767-773 | 9.3 | 79 |
| 242 | A hydrogen peroxide sensor based on TNM functionalized reduced graphene oxide grafted with highly monodisperse Pd nanoparticles. *Analytica Chimica Acta*, **2017**, 989, 88-94 | 6.6 | 76 |
| 241 | Monodisperse palladium–nickel alloy nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamine–borane. *International Journal of Hydrogen Energy*, **2017**, 42, 23276-23283 | 6.7 | 76 |
| 240 | Monodisperse Pt Nanoparticles Assembled on Reduced Graphene Oxide: Highly Efficient and Reusable Catalyst for Methanol Oxidation and Dehydrocoupling of Dimethylamine-Borane (DMAB). *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 5951-8 | 1.3 | 75 |
| 239 | Eco-friendly hydrogenation of aromatic aldehyde compounds by tandem dehydrogenation of dimethylamine-borane in the presence of a reduced graphene oxide furnished platinum nanocatalyst. *Catalysis Science and Technology*, **2016**, 6, 2318-2324 | 5.5 | 75 |
| 238 | One-pot synthesis of Hantzsch dihydropyridines using a highly efficient and stable PdRuNi@GO catalyst. *RSC Advances*, **2016**, 6, 76948-76956 | 3.7 | 74 |
| 237 | Efficiency enhancement of methanol/ethanol oxidation reactions on Pt nanoparticles prepared using a new surfactant, 1,1-dimethyl heptanethiol. *Physical Chemistry Chemical Physics*, **2011**, 13, 1676-84 | 3.6 | 70 |
| 236 | Hydrogen liberation from the dehydrocoupling of dimethylamine–borane at room temperature by using novel and highly monodispersed RuPtNi nanocatalysts decorated with graphene oxide. *International Journal of Hydrogen Energy*, **2017**, 42, 23299-23306 | 6.7 | 69 |
| 235 | Pt NPs@GO as a highly efficient and reusable catalyst for one-pot synthesis of acridinedione derivatives. *RSC Advances*, **2015**, 5, 49295-49300 | 3.7 | 69 |
| 234 | One-pot, efficient and green synthesis of acridinedione derivatives using highly monodisperse platinum nanoparticles supported with reduced graphene oxide. *New Journal of Chemistry*, **2016**, 40, 748-754 | 3.6 | 69 |
| 233 | 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). *Journal of Cluster Science*, **2016**, 27, 9-23 | 3 | 69 |

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| 232 | 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. *Applied Catalysis B: Environmental*, **2018**, 225, 148-153 | 21.8 | 69 |
| 231 | Multiwalled carbon nanotube-based nanosensor for ultrasensitive detection of uric acid, dopamine, and ascorbic acid. *Materials Science and Engineering C*, **2019**, 99, 248-254 | 8.3 | 67 |
| 230 | Spatiotemporal intracellular nitric oxide signaling captured using internalized, near-infrared fluorescent carbon nanotube nanosensors. *Nano Letters*, **2014**, 14, 4887-94 | 11.5 | 67 |
| 229 | The preparation and characterization of nano-sized PtPd/C catalysts and comparison of their superior catalytic activities for methanol and ethanol oxidation. *Journal of Materials Science*, **2012**, 47, 8134-8144 | 4.3 | 66 |
| 228 | Polymer-graphene hybride decorated Pt nanoparticles as highly efficient and reusable catalyst for the dehydrogenation of dimethylamineborane at room temperature. *International Journal of Hydrogen Energy*, **2017**, 42, 23284-23291 | 6.7 | 64 |
| 227 | Graphene Oxide as Highly Effective and Readily Recyclable Catalyst Using for the One-Pot Synthesis of 1,8-Dioxoacridine Derivatives. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 6498-504 | 1.3 | 64 |
| 226 | 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. *Nano Structures Nano Objects*, **2017**, 11, 25-31 | 5.6 | 63 |
| 225 | 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. *Catalysis Science and Technology*, **2016**, 6, 1685-1692 | 5.5 | 61 |
| 224 | Highly efficient catalytic dehydrogenation of dimethyl ammonia borane via monodisperse palladiumnickel alloy nanoparticles assembled on PEDOT. *International Journal of Hydrogen Energy* , **2017**, 42, 23307-23314 | 6.7 | 61 |
| 223 | 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. *RSC Advances*, **2015**, 5, 68558-68564 | 3.7 | 60 |
| 222 | Biogenic platinum nanoparticles using black cumin seed and their potential usage as antimicrobial and anticancer agent. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 179, 112961 | 3.5 | 59 |
| 221 | Excess thermopower and the theory of thermopower waves. *ACS Nano*, **2013**, 7, 6533-44 | 16.7 | 58 |
| 220 | Recent Advances in the Reduction of Nitro Compounds by Heterogenous Catalysts. *Current Organic Chemistry*, **2017**, 21, 794-820 | 1.7 | 56 |
| 219 | Use of the monodisperse Pt/Ni@rGO nanocomposite synthesized by ultrasonic hydroxide assisted reduction method in electrochemical nonenzymatic glucose detection. *Materials Science and Engineering C*, **2019**, 99, 951-956 | 8.3 | 56 |
| 218 | Highly efficient polymer supported monodisperse ruthenium-nickel nanocomposites for dehydrocoupling of dimethylamine borane. *Journal of Colloid and Interface Science*, **2018**, 526, 480-486 | 9.3 | 56 |
| 217 | Highly Efficient and Monodisperse Graphene Oxide Furnished Ru/Pd Nanoparticles for the Dehalogenation of Aryl Halides via Ammonia Borane. *ChemistrySelect*, **2016**, 1, 953-958 | 1.8 | 55 |
| 216 | Investigation of the effect of pomegranate extract and monodisperse silver nanoparticle combination on MCF-7 cell line. *Journal of Biotechnology*, **2017**, 260, 79-83 | 3.7 | 52 |
| 215 | Synthesis and Characterization of Nearly Monodisperse Pt Nanoparticles for C1 to C3 Alcohol Oxidation and Dehydrogenation of Dimethylamine-borane (DMAB). *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 5944-50 | 1.3 | 50 |

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| 214 | Highly efficient monodisperse Pt nanoparticles confined in the carbon black hybrid material for hydrogen liberation. *Journal of Colloid and Interface Science*, **2018**, 520, 112-118 | 9.3 | 49 |
| 213 | High performance Pt nanoparticles prepared by new surfactants for C1 to C3 alcohol oxidation reactions. *Journal of Nanoparticle Research*, **2013**, 15, 1 | 2.3 | 46 |
| 212 | Carbon-nanotube-based rhodium nanoparticles as highly-active catalyst for hydrolytic dehydrogenation of dimethylamineborane at room temperature. *Journal of Colloid and Interface Science*, **2018**, 530, 321-327 | 9.3 | 46 |
| 211 | Observation of oscillatory surface reactions of riboflavin, trolox, and singlet oxygen using single carbon nanotube fluorescence spectroscopy. *ACS Nano*, **2012**, 6, 10632-45 | 16.7 | 45 |
| 210 | A novel monodisperse metal nanoparticles anchored graphene oxide as Counter Electrode for Dye-Sensitized Solar Cells. *Nano Structures Nano Objects*, **2017**, 12, 41-45 | 5.6 | 44 |
| 209 | Monodisperse palladium nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamine-borane. *International Journal of Hydrogen Energy*, **2018**, 43, 20176-20182 | 6.7 | 44 |
| 208 | Improving Catalytic Efficiency in the Methanol Oxidation Reaction by Inserting Ru in Face-Centered Cubic Pt Nanoparticles Prepared by a New Surfactant, tert-Octanethiol. *Energy & Fuels*, **2008**, 22, 1858-1864 | 4.1 | 44 |
| 207 | Composites of Bimetallic Platinum-Cobalt Alloy Nanoparticles and Reduced Graphene Oxide for Electrochemical Determination of Ascorbic Acid, Dopamine, and Uric Acid. *Scientific Reports*, **2019**, 9, 12258 | 4.9 | 43 |
| 206 | Highly efficient Pt nanoparticles and f-MWCNT nanocomposites based counter electrodes for dye-sensitized solar cells. *Nano Structures Nano Objects*, **2017**, 11, 39-45 | 5.6 | 43 |
| 205 | Enhanced optical and electrical properties of PEDOT via nanostructured carbon materials: A comparative investigation. *Nano Structures Nano Objects*, **2017**, 11, 13-19 | 5.6 | 42 |
| 204 | Composites of Palladium-Nickel Alloy Nanoparticles and Graphene Oxide for the Knoevenagel Condensation of Aldehydes with Malononitrile. *ACS Omega*, **2019**, 4, 6848-6853 | 3.9 | 42 |
| 203 | Trimetallic PdRuNi nanocomposites decorated on graphene oxide: A superior catalyst for the hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2018**, 43, 17984-17992 | 6.7 | 42 |
| 202 | Pt nanoparticles synthesized with new surfactants: improvement in C1–C3 alcohol oxidation catalytic activity. *Journal of Applied Electrochemistry*, **2014**, 44, 199-207 | 2.6 | 42 |
| 201 | Highly Monodisperse Pt/Rh Nanoparticles Confined in the Graphene Oxide for Highly Efficient and Reusable Sorbents for Methylene Blue Removal from Aqueous Solutions. *ChemistrySelect*, **2017**, 2, 697-701 | 1.8 | 41 |
| 200 | Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials. *Bioorganic Chemistry*, **2019**, 92, 103213 | 5.1 | 41 |
| 199 | Bimetallic palladium–iridium alloy nanoparticles as highly efficient and stable catalyst for the hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2018**, 43, 20183-20191 | 6.7 | 41 |
| 198 | Platinum nanocatalysts prepared with different surfactants for C1–C3 alcohol oxidations and their surface morphologies by AFM. *Journal of Nanoparticle Research*, **2012**, 14, 1 | 2.3 | 41 |
| 197 | Biological synthesis of silver nanoparticles using Rheum ribes and evaluation of their anticarcinogenic and antimicrobial potential: A novel approach in phytonanotechnology. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 179, 113012 | 3.5 | 41 |

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| 196 | Monodisperse ruthenium copper alloy nanoparticles decorated on reduced graphene oxide for dehydrogenation of DMAB. *International Journal of Hydrogen Energy*, **2019**, 44, 10744-10751 | 6.7 | 40 |
| 195 | Synthesis and characterization of -mediated biogenic silver nanoparticles for anti-oxidant, antibacterial, antifungal, and DNA cleavage activities. *Heliyon*, **2019**, 5, e02980 | 3.6 | 39 |
| 194 | High-performance graphite-supported ruthenium nanocatalyst for hydrogen evolution reaction. *Journal of Molecular Liquids*, **2018**, 268, 807-812 | 6 | 38 |
| 193 | Silica-based monodisperse PdCo nanohybrids as highly efficient and stable nanocatalyst for hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2018**, 43, 20234-20242 | 6.7 | 38 |
| 192 | Carbon black hybrid material furnished monodisperse platinum nanoparticles as highly efficient and reusable electrocatalysts for formic acid electro-oxidation. *RSC Advances*, **2016**, 6, 32858-32862 | 3.7 | 37 |
| 191 | Investigation of electrocatalytic activity and stability of Pt@f-VC catalyst prepared by in-situ synthesis for Methanol electrooxidation. *International Journal of Hydrogen Energy*, **2018**, 43, 385-390 | 6.7 | 36 |
| 190 | Bimetallic PdRu/graphene oxide based Catalysts for one-pot three-component synthesis of 2-amino-4H-chromene derivatives. *Nano Structures Nano Objects*, **2017**, 12, 33-40 | 5.6 | 36 |
| 189 | The dye removal from aqueous solution using polymer composite films. *Applied Water Science*, **2018**, 8, 1 | 5 | 35 |
| 188 | Effect of Reductive Dithiothreitol and Trolox on Nitric Oxide Quenching of Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2013**, 117, 593-602 | 3.8 | 34 |
| 187 | A novel high performance non-enzymatic electrochemical glucose biosensor based on activated carbon-supported Pt-Ni nanocomposite. *Journal of Molecular Liquids*, **2020**, 300, 112355 | 6 | 34 |
| 186 | Palladium supported on polypyrrole/reduced graphene oxide nanoparticles for simultaneous biosensing application of ascorbic acid, dopamine, and uric acid. *Scientific Reports*, **2020**, 10, 2946 | 4.9 | 33 |
| 185 | Preparation, characterization and adsorption kinetics of methylene blue dye in reduced-graphene oxide supported nanoadsorbents. *Journal of Molecular Liquids*, **2020**, 309, 113171 | 6 | 33 |
| 184 | Activated Carbon Furnished Monodisperse Pt Nanocomposites as a Superior Adsorbent for Methylene Blue Removal from Aqueous Solutions. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 4799-4804 | 1.3 | 31 |
| 183 | Monodisperse palladium nanocatalysts for dehydrocoupling of dimethylamineborane. *Nano Structures Nano Objects*, **2018**, 16, 209-214 | 5.6 | 31 |
| 182 | Synthesis of 5-Substituted-1H-Tetrazole Derivatives Using Monodisperse Carbon Black Decorated Pt Nanoparticles as Heterogeneous Nanocatalysts. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 1992-1999 | 1.3 | 29 |
| 181 | Biogenic silver nanoparticles synthesized from Rhododendron ponticum and their antibacterial, antibiofilm and cytotoxic activities. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 179, 112993 | 3.5 | 28 |
| 180 | Superior Monodisperse CNT-Supported CoPd (CoPd@CNT) Nanoparticles for Selective Reduction of Nitro Compounds to Primary Amines with NaBH4 in Aqueous Medium. *ChemistrySelect*, **2016**, 1, 2366-2372 | 1.8 | 28 |
| 179 | Synthesis, characterization, kinetics and adsorption properties of Pt-Co@GO nano-adsorbent for methylene blue removal in the aquatic mediums using ultrasonic process systems. *Journal of Molecular Liquids*, **2019**, 296, 112100 | 6 | 28 |

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| 178 | Carbon Based Nanomaterials for High Performance Optoelectrochemical Systems. *ChemistrySelect*, **2017**, 2, 1548-1555 | 1.8 | 27 |
| 177 | Polymer-graphene hybrid stabilized ruthenium nanocatalysts for the dimethylamine-borane dehydrogenation at ambient conditions. *Journal of Molecular Liquids*, **2019**, 279, 578-583 | 6 | 27 |
| 176 | Green synthesis and characterization of Camellia sinensis mediated silver nanoparticles for antibacterial ceramic applications. *Materials Chemistry and Physics*, **2020**, 250, 123037 | 4.4 | 27 |
| 175 | Monodisperse Mw-Pt NPs@VC as Highly Efficient and Reusable Adsorbents for Methylene Blue Removal. *Journal of Cluster Science*, **2016**, 27, 1953-1962 | 3 | 27 |
| 174 | Biogenic silver nanoparticles synthesized via Mimusops elengi fruit extract, a study on antibiofilm, antibacterial, and anticancer activities. *Journal of Drug Delivery Science and Technology*, **2020**, 59, 101864 | 4.5 | 26 |
| 173 | Composites of palladium nanoparticles and graphene oxide as a highly active and reusable catalyst for the hydrogenation of nitroarenes. *Microporous and Mesoporous Materials*, **2020**, 296, 110014 | 5.3 | 25 |
| 172 | Fruit Extract Mediated Green Synthesis of Metallic Nanoparticles: A New Avenue in Pomology Applications. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 24 |
| 171 | Green synthesis, characterization and bioactivity of biogenic zinc oxide nanoparticles. *Environmental Research*, **2022**, 204, 111897 | 7.9 | 24 |
| 170 | Oxidation of Benzyl Alcohol Compounds in the Presence of Carbon Hybrid Supported Platinum Nanoparticles (Pt@CHs) in Oxygen Atmosphere. *Scientific Reports*, **2020**, 10, 5439 | 4.9 | 23 |
| 169 | Monodisperse Pt-Co/GO anodes with varying Pt: Co ratios as highly active and stable electrocatalysts for methanol electrooxidation reaction. *Scientific Reports*, **2020**, 10, 6114 | 4.9 | 23 |
| 168 | Synthesis, characterization, and application of transition metals (Ni, Zr, and Fe) doped TiO2 photoelectrodes for dye-sensitized solar cells. *Journal of Molecular Liquids*, **2020**, 299, 112177 | 6 | 23 |
| 167 | Highly monodisperse Pd-Ni nanoparticles supported on rGO as a rapid, sensitive, reusable and selective enzyme-free glucose sensor. *Scientific Reports*, **2019**, 9, 19228 | 4.9 | 23 |
| 166 | Efficient preparation and application of monodisperse palladium loaded graphene oxide as a reusable and effective heterogeneous catalyst for suzuki cross-coupling reaction. *Journal of Molecular Liquids*, **2020**, 298, 111967 | 6 | 23 |
| 165 | Biogenic nano silver: Synthesis, characterization, antibacterial, antibiofilms, and enzymatic activity. *Advanced Powder Technology*, **2020**, 31, 2942-2950 | 4.6 | 22 |
| 164 | Catalytic methanolysis and hydrolysis of hydrazine-borane with monodisperse Ru NPs@nano-CeO2 catalyst for hydrogen generation at room temperature. *International Journal of Hydrogen Energy*, **2019**, 44, 13432-13442 | 6.7 | 20 |
| 163 | Single-walled carbon nanotube supported Pt-Ru bimetallic superb nanocatalyst for the hydrogen generation from the methanolysis of methylamine-borane at mild conditions. *Scientific Reports*, **2019**, 9, 15724 | 4.9 | 20 |
| 162 | Magnetic nanocomposites decorated on multiwalled carbon nanotube for removal of Maxilon Blue 5G using the sono-Fenton method. *Scientific Reports*, **2019**, 9, 10850 | 4.9 | 19 |
| 161 | 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. *ChemistrySelect*, **2016**, 1, 1695-1701 | 1.8 | 19 |

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| 160 | A new highly active polymer supported ruthenium nanocatalyst for the hydrolytic dehydrogenation of dimethylamine-borane. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 99, 60-65 | 5.3 | 18 |
| 159 | Monodisperse Ru Rh bimetallic nanocatalyst as highly efficient catalysts for hydrogen generation from hydrolytic dehydrogenation of methylamine-borane. *Journal of Molecular Liquids*, **2019**, 285, 1-8 | 6 | 18 |
| 158 | Hydrogen liberation from the hydrolytic dehydrogenation of hydrazine borane in acidic media. *International Journal of Hydrogen Energy*, **2018**, 43, 17978-17983 | 6.7 | 18 |
| 157 | Highly monodispersed palladium-ruthenium alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) for dehydrocoupling of dimethylamine-borane: An experimental and density functional theory study. *Journal of Colloid and Interface Science*, **2019**, 546, 83-91 | 9.3 | 17 |
| 156 | Functionalized Multi-Walled Carbon Nanotubes (f-MWCNT) as Highly Efficient and Reusable Heterogeneous Catalysts for the Synthesis of Acridinedione Derivatives. *ChemistrySelect*, **2016**, 1, 3861-3865 | 1.8 | 17 |
| 155 | Metal-organic frameworks based on monodisperse palladium cobalt nanohybrids as highly active and reusable nanocatalysts for hydrogen generation. *International Journal of Hydrogen Energy*, **2019**, 44, 2988-2996 | 6.7 | 17 |
| 154 | Immobilization kinetics and mechanism of bovine serum albumin on diatomite clay from aqueous solutions. *Applied Water Science*, **2018**, 8, 1 | 5 | 17 |
| 153 | Purification and characterization of glutathione S-transferase from blueberry fruits ( L.) and investigated of some pesticide inhibition effects on enzyme activity. *Heliyon*, **2019**, 5, e01422 | 3.6 | 16 |
| 152 | A new magnetized thermophilic bacteria to preconcentrate uranium and thorium from environmental samples through magnetic solid-phase extraction. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 186, 113315 | 3.5 | 16 |
| 151 | Bioactivity and molecular docking studies of some nickel complexes: New analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. *Bioorganic Chemistry*, **2020**, 101, 104066 | 5.1 | 16 |
| 150 | Highly Active and Reusable Pd/AlO(OH) Nanoparticles for the Suzuki Cross-Coupling Reaction. *Current Organocatalysis*, **2018**, 5, 34-41 | 1.2 | 16 |
| 149 | Reduced graphene oxide (rGO) as highly effective material for the ultrasound assisted boric acid extraction from ulexite ore. *Chemical Engineering Research and Design*, **2017**, 117, 542-548 | 5.5 | 16 |
| 148 | Graphene and polymer composites for supercapacitor applications **2019**, 123-151 | | 16 |
| 147 | Green synthesis of palladium nanoparticles: Preparation, characterization, and investigation of antioxidant, antimicrobial, anticancer, and DNA cleavage activities. *Applied Organometallic Chemistry*, **2021**, 35, e6272 | 3.1 | 15 |
| 146 | Enhanced electrochemical performance of MnNiO/rGO nanocomposite as pseudocapacitor electrode material and methanol electro-oxidation catalyst. *Nanotechnology*, **2021**, 32, | 3.4 | 15 |
| 145 | Bimetallic palladium-cobalt nanomaterials as highly efficient catalysts for dehydrocoupling of dimethylamine borane. *International Journal of Hydrogen Energy*, **2020**, 45, 3569-3576 | 6.7 | 15 |
| 144 | Analysis of DNA protection, interaction and antimicrobial activity of isatin derivatives. *International Journal of Biological Macromolecules*, **2019**, 122, 1271-1278 | 7.9 | 14 |
| 143 | A new electrochemical method for the detection of quercetin in onion, honey and green tea using Co3O4 modified GCE. *Journal of Food Measurement and Characterization*, **2021**, 15, 3720-3730 | 2.8 | 13 |

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| 142 | Polypyrrole-multi walled carbon nanotube hybrid material supported Pt NPs for hydrogen evolution from the hydrolysis of MeAB at mild conditions. *Scientific Reports*, **2019**, 9, 18553 | 4.9 | 13 |
| 141 | Binary Palladium Nickel/Vulcan carbon-based nanoparticles as highly efficient catalyst for hydrogen evolution reaction at room temperature. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 101, 92-98 | 5.3 | 12 |
| 140 | Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 174, 206-213 | 3.5 | 11 |
| 139 | The novel coronavirus 2019-nCoV: Its evolution and transmission into humans causing global COVID-19 pandemic. *International Journal of Environmental Science and Technology*, **2020**, 17, 1-8 | 3.3 | 11 |
| 138 | Comparison of nanoscale zero-valent iron, fenton, and photo-fenton processes for degradation of pesticide 2,4-dichlorophenoxyacetic acid in aqueous solution. *SN Applied Sciences*, **2019**, 1, 1 | 1.8 | 11 |
| 137 | A Novel Biosorbent for Preconcentrations of Co(II) and Hg(II) in Real Samples. *Scientific Reports*, **2020**, 10, 455 | 4.9 | 11 |
| 136 | A Novel Hydrogenation of Nitroarene Compounds with Multi Wall Carbon Nanotube Supported Palladium/Copper Nanoparticles (PdCu@MWCNT NPs) in Aqueous Medium. *Scientific Reports*, **2020**, 10, 8043 | 4.9 | 11 |
| 135 | A Tramadol Drug Electrochemical Sensor Amplified by Biosynthesized Au Nanoparticle Using Mentha aquatic Extract and Ionic Liquid. *Topics in Catalysis*,1 | 2.3 | 11 |
| 134 | Highly active PdPt bimetallic nanoparticles synthesized by one-step bioreduction method: Characterizations, anticancer, antibacterial activities and evaluation of their catalytic effect for hydrogen generation. *International Journal of Hydrogen Energy*, **2022**, | 6.7 | 10 |
| 133 | Characterization of Rheum ribes with ZnO nanoparticle and its antidiabetic, antibacterial, DNA damage prevention and lipid peroxidation prevention activity of in vitro. *Environmental Research*, **2022**, 204, 112363 | 7.9 | 10 |
| 132 | Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. *Scientific Reports*, **2020**, 10, 11057 | 4.9 | 10 |
| 131 | Palladium/ruthenium supported on graphene oxide (PdRu@GO) as an efficient, stable and rapid catalyst for hydrogen production from DMAB under room conditions. *Renewable Energy*, **2020**, 161, 200-206 | 8.1 | 10 |
| 130 | Preparation and characterization of diatomite and hydroxyapatite reinforced porous polyurethane foam biocomposites. *Scientific Reports*, **2020**, 10, 13308 | 4.9 | 10 |
| 129 | Equilibrium, Kinetics, and Thermodynamic of Adsorption of Enzymes on Diatomite Clay Materials. *BioNanoScience*, **2019**, 9, 474-482 | 3.4 | 9 |
| 128 | Handy and highly efficient oxidation of benzylic alcohols to the benzaldehyde derivatives using heterogeneous Pd/AlO(OH) nanoparticles in solvent-free conditions. *Scientific Reports*, **2020**, 10, 5731 | 4.9 | 9 |
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