Mahmoud Nasrollahzadeh

List of Publications by Year in Descending Order

298 papers	12,063 citations	70 h-index	93 g-index
332 ext. papers	14,641 ext. citations	5.9 avg, IF	7.71 L-index

#	Paper	IF	Citations
298	Biowaste- and nature-derived (nano)materials: Biosynthesis, stability and environmental applications.. *Advances in Colloid and Interface Science*, **2022**, 301, 102599	14.3	4
297	Functionalization of chitosan by grafting Cu(II)-5-amino-1H-tetrazole complex as a magnetically recyclable catalyst for C-N coupling reaction. *Inorganic Chemistry Communication*, **2022**, 136, 109135	3.1	3
296	Mannich-mediated synthesis of a recyclable magnetic kraft lignin-coated copper nanostructure as an efficient catalyst for treatment of environmental contaminants in aqueous media. *Separation and Purification Technology*, **2022**, 285, 120373	8.3	3
295	Polystyrene immobilized Br□sted acid ionic liquid as an efficient and recyclable catalyst for the synthesis of 5-hydroxymethylfurfural from fructose. *Journal of Molecular Liquids*, **2022**, 345, 117811	6	1
294	Iran agricultural waste.. *Science*, **2022**, 375, 984-985	33.3	1
293	Grafting Schiff base Cu(II) complex on magnetic graphene oxide as an efficient recyclable catalyst for the synthesis of 4H-pyrano[2,3-b]pyridine-3-carboxylate derivatives. *Materials Chemistry and Physics*, **2022**, 284, 126053	4.4	3
292	Recent advances in nanomaterial development for lithium ion-sieving technologies. *Desalination*, **2022**, 529, 115624	10.3	11
291	Valorisation of nuts biowaste: Prospects in sustainable bio(nano)catalysts and environmental applications. *Journal of Cleaner Production*, **2022**, 347, 131220	10.3	13
290	Lignin valorization: Facile synthesis, characterization and catalytic activity of multiwalled carbon nanotubes/kraft lignin/Pd nanocomposite for environmental remediation. *Separation and Purification Technology*, **2022**, 290, 120793	8.3	5
289	Micro- and nanotechnology in biomedical engineering for cartilage tissue regeneration in osteoarthritis.. *Beilstein Journal of Nanotechnology*, **2022**, 13, 363-389	3	1
288	Magnetic chitosan stabilized Cu(II)-tetrazole complex: an effective nanocatalyst for the synthesis of 3-imino-2-phenylisoindolin-1-one derivatives under ultrasound irradiation.. *Scientific Reports*, **2022**, 12, 6724	4.9	0
287	Advances in Carbon Nitride-Based Materials and Their Electrocatalytic Applications. *ACS Catalysis*, **2022**, 12, 5605-5660	13.1	3
286	Lignosulfonate valorization into a Cu-containing magnetically recyclable photocatalyst for treating wastewater pollutants in aqueous media. *Chemosphere*, **2022**, 135180	8.4	3
285	Polydopamine-coated magnetic Spirulina nanocomposite for efficient magnetic dispersive solid-phase extraction of aflatoxins in pistachio.. *Food Chemistry*, **2021**, 377, 131967	8.5	5
284	Progresses in chitin, chitosan, starch, cellulose, pectin, alginate, gelatin and gum based (nano)catalysts for the Heck coupling reactions: A review. *International Journal of Biological Macromolecules*, **2021**, 192, 771-819	7.9	9
283	Recent developments in enzyme immobilization technology for high-throughput processing in food industries. *Critical Reviews in Food Science and Nutrition*, **2021**, 61, 3160-3196	11.5	20
282	Green Synthesis of Silica and Silicon Nanoparticles and Their Biomedical and Catalytic Applications. *Comments on Inorganic Chemistry*, **2021**, 1-56	3.9	4

281	State-of-the-art technology: Recent investigations on laser-mediated synthesis of nanocomposites for environmental remediation. *Ceramics International*, **2021**, 47, 10389-10425	5.1	15
280	Recent signs of progress in polymer-supported silver complexes/nanoparticles for remediation of environmental pollutants. *Journal of Molecular Liquids*, **2021**, 329, 115583	6	14
279	Polymer supported copper complexes/nanoparticles for treatment of environmental contaminants. *Journal of Molecular Liquids*, **2021**, 330, 115668	6	6
278	Lignin, lipid, protein, hyaluronic acid, starch, cellulose, gum, pectin, alginate and chitosan-based nanomaterials for cancer nanotherapy: Challenges and opportunities. *International Journal of Biological Macromolecules*, **2021**, 178, 193-228	7.9	14
277	Lignin-derived (nano)materials for environmental pollution remediation: Current challenges and future perspectives. *International Journal of Biological Macromolecules*, **2021**, 178, 394-423	7.9	36
276	Facile preparation of nanostructured Pd-Sch-□FeOOH particles: A highly effective and easily retrievable catalyst for aryl halide cyanation and p-nitrophenol reduction. *Journal of Physics and Chemistry of Solids*, **2021**, 152, 109968	3.9	10
275	Pd nanoparticles loaded on modified chitosan-Unye bentonite microcapsules: A reusable nanocatalyst for Sonogashira coupling reaction. *Carbohydrate Polymers*, **2021**, 262, 117920	10.3	9
274	Synthesis of magnetic chitosan supported metformin-Cu(II) complex as a recyclable catalyst for N-arylation of primary sulfonamides. *Journal of Organometallic Chemistry*, **2021**, 121915	2.3	1
273	Biomass valorization: Sulfated lignin-catalyzed production of 5-hydroxymethylfurfural from fructose. *International Journal of Biological Macromolecules*, **2021**, 182, 59-64	7.9	5
272	Biopolymer-derived (nano)catalysts for hydrogen evolution via hydrolysis of hydrides and electrochemical and photocatalytic techniques: A review. *International Journal of Biological Macromolecules*, **2021**, 182, 1056-1090	7.9	10
271	Facile synthesis of Pd nanoparticles supported on a novel Schiff base modified chitosan-kaolin: Antibacterial and catalytic activities in Sonogashira coupling reaction. *Journal of Organometallic Chemistry*, **2021**, 945, 121849	2.3	6
270	Green-synthesized nanocatalysts and nanomaterials for water treatment: Current challenges and future perspectives. *Journal of Hazardous Materials*, **2021**, 401, 123401	12.8	124
269	Pd/CoFe2O4/chitosan: A highly effective and easily recoverable hybrid nanocatalyst for synthesis of benzonitriles and reduction of 2-nitroaniline. *Journal of Physics and Chemistry of Solids*, **2021**, 149, 109772	3.9	9
268	Carbon-based sustainable nanomaterials for water treatment: State-of-art and future perspectives. *Chemosphere*, **2021**, 263, 128005	8.4	80
267	Biosynthesis of Cu/Fe3O4 nanoparticles using Alhagi camelorum aqueous extract and their catalytic activity in the synthesis of 2-imino-3-aryl-2,3-dihydrobenzo[d]oxazol-5-ol derivatives. *Journal of Molecular Structure*, **2021**, 1228, 129731	3.4	5
266	Recent developments in polymer-supported ruthenium nanoparticles/complexes for oxidation reactions. *Journal of Organometallic Chemistry*, **2021**, 933, 121658	2.3	3
265	Starch, cellulose, pectin, gum, alginate, chitin and chitosan derived (nano)materials for sustainable water treatment: A review. *Carbohydrate Polymers*, **2021**, 251, 116986	10.3	174
264	Lignin chemistry and valorization **2021**, 145-183		0

263	An introduction to green chemistry **2021**, 3-22		0
262	Protein and polypeptide biopolymer chemistry **2021**, 107-144		
261	Toxicity of biopolymer-based (nano)materials **2021**, 215-229		
260	Polysaccharides in food industry **2021**, 47-96		2
259	Application of biopolymers in bioplastics **2021**, 1-44		1
258	Synthesis of biopolymer-based metal nanoparticles **2021**, 255-316		3
257	Food packaging applications of biopolymer-based (nano)materials **2021**, 137-186		1
256	Proteins in food industry **2021**, 97-136		1
255	Biopolymer-based (nano)materials for hydrogen storage **2021**, 673-701		
254	Physicochemical characterization of biopolymer-based metal nanoparticles **2021**, 317-478		2
253	Biopolymer-based metal nanoparticles for biosensing **2021**, 573-608		0
252	Biodegradability properties of biopolymers **2021**, 231-251		
251	Carbon-based nanomaterials for targeted cancer nanotherapy: recent trends and future prospects. *Journal of Drug Targeting*, **2021**, 29, 716-741	5.4	15
250	Fabrication of g-C3N4/Au nanocomposite using laser ablation and its application as an effective catalyst in the reduction of organic pollutants in water. *Ceramics International*, **2021**, 47, 3565-3572	5.1	23
249	Hardystonite/palladium nanocomposite as a high performance catalyst for electrochemical hydrogen storage and Cr(VI) reduction. *International Journal of Hydrogen Energy*, **2021**, 46, 25175-25188	6.7	7
248	Graphene-based (nano)catalysts for the reduction of Cr(VI): A review. *Journal of Molecular Liquids*, **2021**, 334, 116123	6	13
247	Novel magnetic lignosulfonate-supported Pd complex as an efficient nanocatalyst for N-arylation of 4-methylbenzenesulfonamide. *International Journal of Biological Macromolecules*, **2021**, 182, 564-573	7.9	7
246	Synthesis and characterization of Pd(0) Schiff base complex supported on halloysite nanoclay as a reusable catalyst for treating wastewater contaminants in aqueous media. *Optik*, **2021**, 238, 166672	2.5	2

245	Insights into the hydrogen adsorption on deposited graphene oxide by zirconia and gold nanoparticles. *Journal of Physics and Chemistry of Solids*, **2021**, 154, 110061	3.9	4
244	A promising nanocatalyst: Upgraded Kraft lignin by titania and palladium nanoparticles for organic dyes reduction. *Inorganic Chemistry Communication*, **2021**, 130, 108746	3.1	9
243	Use of tetrazoles in catalysis and energetic applications: Recent developments. *Molecular Catalysis*, **2021**, 513, 111788	3.3	6
242	Copper(II) complex anchored on magnetic chitosan functionalized trichlorotriazine: An efficient heterogeneous catalyst for the synthesis of tetrazole derivatives. *Colloids and Interface Science Communications*, **2021**, 44, 100471	5.4	6
241	Cu(II)-N-benzyl-amino-1H-tetrazole complex immobilized on magnetic chitosan as a highly effective nanocatalyst for C-N coupling reactions. *Journal of Organometallic Chemistry*, **2021**, 950, 121959	2.3	5
240	Polysaccharide-based (nano)materials for Cr(VI) removal. *International Journal of Biological Macromolecules*, **2021**, 188, 950-973	7.9	11
239	Self-assembled lignosulfonate-inorganic hybrid nanoflowers and their application in catalytic reduction of methylene blue and 4-nitrophenol. *Separation and Purification Technology*, **2021**, 272, 118864	8.3	11
238	Platinum and palladium complexes with tetrazole ligands: Synthesis, structure and applications. *Coordination Chemistry Reviews*, **2021**, 446, 214132	23.2	8
237	Preparation of magnetic chitosan-supported palladium-5-amino-1H-tetrazole complex as a magnetically recyclable catalyst for Suzuki-Miyaura coupling reaction in green media. *Journal of Molecular Structure*, **2021**, 1244, 130873	3.4	7
236	Progresses in polysaccharide and lignin-based ionic liquids: Catalytic applications and environmental remediation. *Journal of Molecular Liquids*, **2021**, 342, 117559	6	8
235	Chitosan supported 1-phenyl-1H-tetrazole-5-thiol ionic liquid copper(II) complex as an efficient catalyst for the synthesis of arylaminotetrazoles. *Journal of Molecular Liquids*, **2021**, 341, 117398	6	4
234	Laser-assisted synthesis of bentonite/Pd nanocomposite and its electrochemical hydrogen storage capacity. *Microporous and Mesoporous Materials*, **2021**, 328, 111439	5.3	0
233	Biopolymers: Production to consumption **2021**, 23-42		
232	Polylactic acid and polyhydroxybutyrate chemistry **2021**, 185-211		
231	Biopolymer-based (nano)materials for supercapacitor applications **2021**, 609-671		0
230	Catalytic applications of biopolymer-based metal nanoparticles **2021**, 423-516		3
229	Polysaccharide biopolymer chemistry **2021**, 45-105		3
228	Environmental applications of biopolymer-based (nano)materials **2021**, 517-572		1

227	Biomedical applications of biopolymer-based (nano)materials **2021**, 189-332		1
226	Modification of Chitosan Membranes via Methane Ion Beam. *Molecules*, **2020**, 25,	4.8	2
225	Nanomaterials and Nanotechnology-Associated Innovations against Viral Infections with a Focus on Coronaviruses. *Nanomaterials*, **2020**, 10,	5.4	76
224	SARS-CoV-2 (COVID-19): New Discoveries and Current Challenges. *Applied Sciences (Switzerland)*, **2020**, 10, 3641	2.6	20
223	Synthesis of novel N-aryl-N-(1H-tetrazol-5-yl)benzenesulfonamides in water. *Applied Organometallic Chemistry*, **2020**, 34, e5706	3.1	1
222	Facile fabrication of magnetically separable palladium nanoparticles supported on modified kaolin as a highly active heterogeneous catalyst for Suzuki coupling reactions. *Journal of Physics and Chemistry of Solids*, **2020**, 146, 109566	3.9	8
221	Upgraded Valorization of Biowaste: Laser-Assisted Synthesis of Pd/Calcium Lignosulfonate Nanocomposite for Hydrogen Storage and Environmental Remediation. *ACS Omega*, **2020**, 5, 5888-5899	3.9	61
220	Rapid and sensitive extraction of aflatoxins by Fe3O4/zeolite nanocomposite adsorbent in rice samples. *Microchemical Journal*, **2020**, 158, 105206	4.8	11
219	Euphorbia polygonifolia extract assisted biosynthesis of Fe3O4@CuO nanoparticles: Applications in the removal of metronidazole, ciprofloxacin and cephalexin antibiotics from aqueous solutions under UV irradiation. *Applied Organometallic Chemistry*, **2020**, 34, e5910	3.1	13
218	Xylanase immobilization onto trichlorotriazine-functionalized polyethylene glycol grafted magnetic nanoparticles: A thermostable and robust nanobiocatalyst for fruit juice clarification. *International Journal of Biological Macromolecules*, **2020**, 163, 402-413	7.9	8
217	Bentonite-supported furfural-based Schiff base palladium nanoparticles: an efficient catalyst in treatment of water/wastewater pollutants. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 12856-12871	2.1	5
216	Palladium Nanoparticles on Assorted Nanostructured Supports: Applications for Suzuki, Heck, and Sonogashira Cross-Coupling Reactions. *ACS Applied Nano Materials*, **2020**, 3, 2070-2103	5.6	109
215	Pd nanocatalyst stabilized on amine-modified zeolite: Antibacterial and catalytic activities for environmental pollution remediation in aqueous medium. *Separation and Purification Technology*, **2020**, 239, 116542	8.3	51
214	Facile synthesis of Ag/ZrO2 nanocomposite as a recyclable catalyst for the treatment of environmental pollutants. *Composites Part B: Engineering*, **2020**, 185, 107783	10	22
213	Cyanation of aryl halides and Suzuki-Miyaura coupling reaction using palladium nanoparticles anchored on developed biodegradable microbeads. *International Journal of Biological Macromolecules*, **2020**, 148, 565-573	7.9	34
212	Efficient Sonogashira and A3 coupling reactions catalyzed by biosynthesized magnetic Fe3O4@Ni nanoparticles from Euphorbia maculata extract. *Applied Organometallic Chemistry*, **2020**, 34, e5473	3.1	9
211	Hibiscus Rosasinensis L. aqueous extract-assisted valorization of lignin: Preparation of magnetically reusable Pd NPs@FeO-lignin for Cr(VI) reduction and Suzuki-Miyaura reaction in eco-friendly media. *International Journal of Biological Macromolecules*, **2020**, 148, 265-275	7.9	63
210	Recent progresses in polymer supported cobalt complexes/nanoparticles for sustainable and selective oxidation reactions. *Molecular Catalysis*, **2020**, 484, 110775	3.3	6

209	Heterogenized Cu(II) complex of 5-aminotetrazole immobilized on graphene oxide nanosheets as an efficient catalyst for treating environmental contaminants. *Separation and Purification Technology*, **2020**, 247, 116952	8.3	12
208	Recent progresses in the application of cellulose, starch, alginate, gum, pectin, chitin and chitosan based (nano)catalysts in sustainable and selective oxidation reactions: A review. *Carbohydrate Polymers*, **2020**, 241, 116353	10.3	86
207	Recent progresses in the application of lignin derived (nano)catalysts in oxidation reactions. *Molecular Catalysis*, **2020**, 489, 110942	3.3	21
206	Recent progresses in graphene-based (photo)catalysts for reduction of nitro compounds. *Molecular Catalysis*, **2020**, 484, 110758	3.3	33
205	Synthesised magnetic nano-zeolite as a mycotoxins binder to reduce the toxicity of aflatoxins, zearalenone, ochratoxin A, and deoxynivalenol in barley. *IET Nanobiotechnology*, **2020**, 14, 623-627	2	5
204	Preparation and Characterization of Polyvinylpyrrolidone/Polysulfone Ultrafiltration Membrane Modified by Graphene Oxide and Titanium Dioxide for Enhancing Hydrophilicity and Antifouling Properties. *Journal of Inorganic and Organometallic Polymers and Materials*, **2020**, 30, 2213-2223	3.2	12
203	Pd-based nanoparticles: Plant-assisted biosynthesis, characterization, mechanism, stability, catalytic and antimicrobial activities. *Advances in Colloid and Interface Science*, **2020**, 276, 102103	14.3	94
202	Magnetically recoverable nanocatalyst based on N-heterocyclic ligands: efficient treatment of environmental pollutants in aqueous media. *Clean Technologies and Environmental Policy*, **2020**, 22, 423-440	4.3	5
201	Laser-assisted preparation of Pd nanoparticles on carbon cloth for the degradation of environmental pollutants in aqueous medium. *Chemosphere*, **2020**, 246, 125755	8.4	49
200	Ultrasound-assisted fabrication of N-cyano-N-arylbenzenesulfonamides at ambient temperature: improvements with biosynthesized Ag/feldspar nanocomposite. *Clean Technologies and Environmental Policy*, **2020**, 22, 231-246	4.3	3
199	Magnetic chitosan-copper nanocomposite: A plant assembled catalyst for the synthesis of amino- and N-sulfonyl tetrazoles in eco-friendly media. *Carbohydrate Polymers*, **2020**, 232, 115819	10.3	102
198	Efficient degradation of environmental contaminants using Pd-RGO nanocomposite as a retrievable catalyst. *Clean Technologies and Environmental Policy*, **2020**, 22, 325-335	4.3	16
197	High efficiency treatment of organic/inorganic pollutants using recyclable magnetic N-heterocyclic copper(II) complex and its antimicrobial applications. *Separation and Purification Technology*, **2020**, 238, 116403	8.3	16
196	Palladium nanoparticles stabilized on a novel Schiff base modified Unye bentonite: Highly stable, reusable and efficient nanocatalyst for treating wastewater contaminants and inactivating pathogenic microbes. *Separation and Purification Technology*, **2020**, 237, 116383	8.3	47
195	Facile synthesis and electrochemical hydrogen storage of bentonite/TiO2/Au nanocomposite. *International Journal of Hydrogen Energy*, **2020**, 45, 33771-33788	6.7	12
194	Valorisation of Fruits, their Juices and Residues into Valuable (Nano)materials for Applications in Chemical Catalysis and Environment. *Chemical Record*, **2020**, 20, 1338-1393	6.6	11
193	Facile synthesis of graphitic carbon nitride/chitosan/Au nanocomposite: A catalyst for electrochemical hydrogen evolution. *International Journal of Biological Macromolecules*, **2020**, 164, 3012-3024	7.9	32
192	Greener hydrophilicity improvement of polypropylene membrane by ArF excimer laser treatment. *Surface and Coatings Technology*, **2020**, 399, 126198	4.4	2

191	Preparation of Au nanoparticles by Q switched laser ablation and their application in 4-nitrophenol reduction. *Clean Technologies and Environmental Policy*, **2020**, 22, 1715-1724	4.3	11
190	Green synthesis of palladium nanocatalyst derived from the Ecyclodextrin used as effective heterogeneous catalyst for cyanation of aryl halides. *Inorganic Chemistry Communication*, **2020**, 119, 108117	3.1	6
189	N-Formylation of amines using arylhydrazones of malononitrile and a Cu(II) complex under eco-friendly conditions at room temperature. *Inorganica Chimica Acta*, **2020**, 513, 119938	2.7	0
188	Polymer surfaces adorning ligand-coordinated palladium for hydrogenation reactions. *Molecular Catalysis*, **2020**, 494, 111129	3.3	1
187	A sustainable technique to solve growing energy demand: porous carbon nanoparticles as electrode materials for high-performance supercapacitors. *Journal of Applied Electrochemistry*, **2020**, 50, 1243-1255	2.6	16
186	Trimetallic Nanoparticles: Greener Synthesis and Their Applications. *Nanomaterials*, **2020**, 10,	5.4	18
185	Low-cost and sustainable (nano)catalysts derived from bone waste: catalytic applications and biofuels production. *Biofuels, Bioproducts and Biorefining*, **2020**, 14, 1197-1227	5.3	8
184	Biosynthesis and characterization of Ag/MgO nanocomposite and its catalytic performance in the rapid treatment of environmental contaminants. *Ceramics International*, **2020**, 46, 2093-2101	5.1	20
183	Recent advances in polymer supported palladium complexes as (nano)catalysts for Sonogashira coupling reaction. *Molecular Catalysis*, **2020**, 480, 110645	3.3	24
182	Waste-to-wealth: biowaste valorization into valuable bio(nano)materials. *Chemical Society Reviews*, **2019**, 48, 4791-4822	58.5	152
181	Magnetic Lignosulfonate-Supported Pd Complex: Renewable Resource-Derived Catalyst for Aqueous Suzuki-Miyaura Reaction. *ACS Omega*, **2019**, 4, 14234-14241	3.9	44
180	Pd nanoparticles stabilized on the Schiff base-modified boehmite: Catalytic role in Suzuki coupling reaction and reduction of nitroarenes. *Journal of Organometallic Chemistry*, **2019**, 900, 120916	2.3	24
179	Green synthesis of the Ag/Al2O3 nanoparticles using Bryonia alba leaf extract and their catalytic application for the degradation of organic pollutants. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 3847-3859	2.1	13
178	Cyanation of Aryl and Heteroaryl Aldehydes Using In-Situ-Synthesized Ag Nanoparticles in Crocus sativus L. Extract. *ChemistrySelect*, **2019**, 4, 1127-1130	1.8	4
177	Synthesis of 1-Substituted 1-1,2,3,4-Tetrazoles Using Biosynthesized Ag/Sodium Borosilicate Nanocomposite. *ACS Omega*, **2019**, 4, 8985-9000	3.9	30
176	Catalytic and antimicrobial activities of magnetic nanoparticles supported N-heterocyclic palladium(II) complex: A magnetically recyclable catalyst for the treatment of environmental contaminants in aqueous media. *Separation and Purification Technology*, **2019**, 227, 115716	8.3	38
175	Facile synthesis of palladium nanoparticles immobilized on magnetic biodegradable microcapsules used as effective and recyclable catalyst in Suzuki-Miyaura reaction and p-nitrophenol reduction. *Carbohydrate Polymers*, **2019**, 222, 115029	10.3	83
174	Green synthesis of Ni@Fe3O4 and CuO nanoparticles using Euphorbia maculata extract as photocatalysts for the degradation of organic pollutants under UV-irradiation. *Ceramics International*, **2019**, 45, 17173-17182	5.1	68

173	Benign-by-design nature-inspired nanosystems in biofuels production and catalytic applications. *Renewable and Sustainable Energy Reviews*, **2019**, 112, 195-252	16.2	60
172	Laser ablation-assisted synthesis of GO/TiO2/Au nanocomposite: Applications in K3[Fe(CN)6] and Nigrosin reduction. *Molecular Catalysis*, **2019**, 473, 110401	3.3	22
171	Photocatalytic decomposition of VOCs by AC□TiO2 and EG□TiO2 nanocomposites. *Clean Technologies and Environmental Policy*, **2019**, 21, 1259-1268	4.3	4
170	Efficient reduction of waste water pollution using GO/□MnO2/Pd nanocomposite as a highly stable and recoverable catalyst. *Separation and Purification Technology*, **2019**, 225, 33-40	8.3	27
169	Stainless steel mesh-GO/Pd NPs: catalytic applications of Suzuki□Miyaura and Stille coupling reactions in eco-friendly media. *Green Chemistry*, **2019**, 21, 3319-3327	10	53
168	A catalyst-free and expeditious general synthesis of N-benzyl-N-arylcyanamides under ultrasound irradiation at room temperature. *Ultrasonics Sonochemistry*, **2019**, 56, 481-486	8.9	10
167	In situ green synthesis of Cu-Ni bimetallic nanoparticles supported on reduced graphene oxide as an effective and recyclable catalyst for the synthesis of N-benzyl-N-aryl-5-amino-1H-tetrazoles. *Applied Organometallic Chemistry*, **2019**, 33, e4938	3.1	34
166	Recent Developments in the Plant-Mediated Green Synthesis of Ag-Based Nanoparticles for Environmental and Catalytic Applications. *Chemical Record*, **2019**, 19, 2436-2479	6.6	80
165	Synthesis, characterization and catalytic performance of Pd(II) complex immobilized on Fe3O4@SiO2 nanoparticles for the ligand-free cyanation of aryl halides using K4Fe(CN)6. *Applied Organometallic Chemistry*, **2019**, 33, e4730	3.1	11
164	Functionalized-Graphene and Graphene Oxide: Fabrication and Application in Catalysis **2019**, 661-727		3
163	Basic Chemistry and Biomedical Significance of Nanomaterials **2019**, 31-70		4
162	Pd Nanocatalyst Adorning Coral Reef Nanocomposite for the Synthesis of Nitriles: Utility of Leaf Extract as a Stabilizing and Reducing Agent. *Nanomaterials*, **2019**, 9,	5.4	11
161	An Introduction to Nanotechnology. *Interface Science and Technology*, **2019**, 28, 1-27	2.3	52
160	Green Nanotechnology. *Interface Science and Technology*, **2019**, 28, 145-198	2.3	41
159	Plant-Mediated Green Synthesis of Nanostructures: Mechanisms, Characterization, and Applications. *Interface Science and Technology*, **2019**, 28, 199-322	2.3	41
158	Risks of Nanotechnology to Human Life. *Interface Science and Technology*, **2019**, 323-336	2.3	4
157	Applications of Nanotechnology in Daily Life. *Interface Science and Technology*, **2019**, 113-143	2.3	46
156	Recent Developments in the Biosynthesis of Cu-Based Recyclable Nanocatalysts Using Plant Extracts and their Application in the Chemical Reactions. *Chemical Record*, **2019**, 19, 601-643	6.6	35

155	Biological Sources Used in Green Nanotechnology. *Interface Science and Technology*, **2019**, 28, 81-111	2.3	19
154	Types of Nanostructures. *Interface Science and Technology*, **2019**, 28, 29-80	2.3	36
153	Synthesis, characterization and application of Fe3O4@SiO2 nanoparticles supported palladium(II) complex as a magnetically catalyst for the reduction of 2,4-dinitrophenylhydrazine, 4-nitrophenol and chromium(VI): A combined theoretical (DFT) and experimental study. *Separation and Purification Technology*, **2019**, 209, 136-144	8.3	37
152	Improving Wettability: Deposition of TiO Nanoparticles on the O Plasma Activated Polypropylene Membrane. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	16
151	Recent advances in N-formylation of amines and nitroarenes using efficient (nano)catalysts in eco-friendly media. *Green Chemistry*, **2019**, 21, 5144-5167	10	32
150	One-pot green synthesis of Cu/bone nanocomposite and its catalytic activity in the synthesis of 1-substituted 1H-1,2,3,4-tetrazoles and reduction of hazardous pollutants. *Applied Organometallic Chemistry*, **2019**, 33, e5097	3.1	3
149	Recent developments in palladium (nano)catalysts supported on polymers for selective and sustainable oxidation processes. *Coordination Chemistry Reviews*, **2019**, 397, 54-75	23.2	77
148	Palladium Nanocatalysts on Hydroxyapatite: Green Oxidation of Alcohols and Reduction of Nitroarenes in Water. *Applied Sciences (Switzerland)*, **2019**, 9, 4183	2.6	55
147	Fabrication and Application of Graphene Oxide-based Metal and Metal Oxide Nanocomposites **2019**, 25-52		2
146	Phytosynthesis of Cu/rGO using extract and study of its ability in the reduction of organic dyes and 4-nitrophenol in aqueous medium. *IET Nanobiotechnology*, **2019**, 13, 202-213	2	5
145	Preparation of a stable and robust nanobiocatalyst by efficiently immobilizing of pectinase onto cyanuric chloride-functionalized chitosan grafted magnetic nanoparticles. *Journal of Colloid and Interface Science*, **2019**, 536, 261-270	9.3	50
144	Reduction of Cr(VI) and 4-nitrophenol in aqueous media using N-heterocyclic palladium complex immobilized on the nano Fe3O4@SiO2 as a magnetically recyclable catalyst. *Separation and Purification Technology*, **2019**, 211, 809-815	8.3	20
143	Journey on Greener Pathways via Synthesis of Pd/KB Polymeric Nanocomposite as a Recoverable Catalyst for the Ligand-Free Oxidative Hydroxylation of Phenylboronic Acid and Suzuki Miyaura Coupling Reaction in Green Solvents. *Catalysis Letters*, **2019**, 149, 169-179	2.8	21
142	Green synthesis of Cu/Al2O3 nanoparticles as efficient and recyclable catalyst for reduction of 2,4-dinitrophenylhydrazine, Methylene blue and Congo red. *Composites Part B: Engineering*, **2019**, 166, 112-119	10	34
141	Synthesis, characterization and catalytic activity of Fe3O4@SiO2 nanoparticles supported copper(II) complex as a magnetically recoverable catalyst for the reduction of nitro compounds, Nigrosin and Methylene blue. *Separation and Purification Technology*, **2018**, 203, 185-192	8.3	15
140	Synthesis and characterization of novel Cu(II) complex coated Fe3O4@SiO2 nanoparticles for catalytic performance. *Journal of Molecular Structure*, **2018**, 1161, 453-463	3.4	39
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138	Green synthesis of a Cu/MgO nanocomposite by L. extract and investigation of its catalytic activity in the reduction of methylene blue, congo red and nitro compounds in aqueous media.. *RSC Advances*, **2018**, 8, 3723-3735	3.7	49

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