Mohaddeseh Sajjadi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7390235/publications.pdf

Version: 2024-02-01

48 papers	3,717 citations	117453 34 h-index	214527 47 g-index
49 all docs	49 docs citations	49 times ranked	3399 citing authors

#	Article	IF	Citations
1	Starch, cellulose, pectin, gum, alginate, chitin and chitosan derived (nano)materials for sustainable water treatment: A review. Carbohydrate Polymers, 2021, 251, 116986.	5.1	385
2	Green-synthesized nanocatalysts and nanomaterials for water treatment: Current challenges and future perspectives. Journal of Hazardous Materials, 2021, 401, 123401.	6.5	259
3	Palladium Nanoparticles on Assorted Nanostructured Supports: Applications for Suzuki, Heck, and Sonogashira Cross-Coupling Reactions. ACS Applied Nano Materials, 2020, 3, 2070-2103.	2.4	196
4	Carbon-based sustainable nanomaterials for water treatment: State-of-art and future perspectives. Chemosphere, 2021, 263, 128005.	4.2	184
5	Pd-based nanoparticles: Plant-assisted biosynthesis, characterization, mechanism, stability, catalytic and antimicrobial activities. Advances in Colloid and Interface Science, 2020, 276, 102103.	7.0	140
6	Cuscuta reflexa leaf extract mediated green synthesis of the Cu nanoparticles on graphene oxide/manganese dioxide nanocomposite and its catalytic activity toward reduction of nitroarenes and organic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 158-173.	2.7	138
7	Biosynthesis of the palladium/sodium borosilicate nanocomposite using Euphorbia milii extract and evaluation of its catalytic activity in the reduction of chromium(VI), nitro compounds and organic dyes. Materials Research Bulletin, 2018, 102, 24-35.	2.7	129
8	An Introduction to Nanotechnology. Interface Science and Technology, 2019, 28, 1-27.	1.6	128
9	Nanomaterials and Nanotechnology-Associated Innovations against Viral Infections with a Focus on Coronaviruses. Nanomaterials, 2020, 10, 1072.	1.9	119
10	Green Nanotechnology. Interface Science and Technology, 2019, 28, 145-198.	1.6	111
11	Green synthesis of Ag/Fe 3 O 4 nanocomposite using Euphorbia peplus Linn leaf extract and evaluation of its catalytic activity. Journal of Colloid and Interface Science, 2017, 497, 1-13.	5.0	110
12	Biosynthesis of copper nanoparticles supported on manganese dioxide nanoparticles using Centella asiatica L. leaf extract for the efficient catalytic reduction of organic dyes and nitroarenes. Chinese Journal of Catalysis, 2018, 39, 109-117.	6.9	108
13	Recent developments in palladium (nano)catalysts supported on polymers for selective and sustainable oxidation processes. Coordination Chemistry Reviews, 2019, 397, 54-75.	9.5	103
14	Green synthesis of the Cu/sodium borosilicate nanocomposite and investigation of its catalytic activity. Journal of Alloys and Compounds, 2018, 763, 1024-1034.	2.8	97
15	Upgraded Valorization of Biowaste: Laser-Assisted Synthesis of Pd/Calcium Lignosulfonate Nanocomposite for Hydrogen Storage and Environmental Remediation. ACS Omega, 2020, 5, 5888-5899.	1.6	95
16	Plant-Mediated Green Synthesis of Nanostructures: Mechanisms, Characterization, and Applications. Interface Science and Technology, 2019, 28, 199-322.	1.6	94
17	Lignin-derived (nano)materials for environmental pollution remediation: Current challenges and future perspectives. International Journal of Biological Macromolecules, 2021, 178, 394-423.	3.6	90
18	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.	3.9	81

#	Article	IF	Citations
19	Benign-by-design nature-inspired nanosystems in biofuels production and catalytic applications. Renewable and Sustainable Energy Reviews, 2019, 112, 195-252.	8.2	76
20	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.	3.9	76
21	Applications of Nanotechnology in Daily Life. Interface Science and Technology, 2019, , 113-143.	1.6	75
22	Laser-assisted preparation of Pd nanoparticles on carbon cloth for the degradation of environmental pollutants in aqueous medium. Chemosphere, 2020, 246, 125755.	4.2	71
23	Recent advances in N-formylation of amines and nitroarenes using efficient (nano)catalysts in eco-friendly media. Green Chemistry, 2019, 21, 5144-5167.	4.6	67
24	A Review on Recent Advances in the Application of Nanocatalysts in A³ Coupling Reactions. Chemical Record, 2018, 18, 1409-1473.	2.9	65
25	Types of Nanostructures. Interface Science and Technology, 2019, 28, 29-80.	1.6	59
26	Trimetallic Nanoparticles: Greener Synthesis and Their Applications. Nanomaterials, 2020, 10, 1784.	1.9	59
27	Synthesis and characterization of novel Cu(II) complex coated Fe3O4@SiO2 nanoparticles for catalytic performance. Journal of Molecular Structure, 2018, 1161, 453-463.	1.8	52
28	Carbon-based nanomaterials for targeted cancer nanotherapy: recent trends and future prospects. Journal of Drug Targeting, 2021, 29, 716-741.	2.1	52
29	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.	3.6	51
30	Recent progresses in graphene-based (photo)catalysts for reduction of nitro compounds. Molecular Catalysis, 2020, 484, 110758.	1.0	50
31	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.	3.9	48
32	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.	1.7	44
33	Biowaste- and nature-derived (nano)materials: Biosynthesis, stability and environmental applications. Advances in Colloid and Interface Science, 2022, 301, 102599.	7.0	43
34	Synthesis of 1-Substituted 1H-1,2,3,4-Tetrazoles Using Biosynthesized Ag/Sodium Borosilicate Nanocomposite. ACS Omega, 2019, 4, 8985-9000.	1.6	38
35	State-of-the-art technology: Recent investigations on laser-mediated synthesis of nanocomposites for environmental remediation. Ceramics International, 2021, 47, 10389-10425.	2.3	36
36	SARS-CoV-2 (COVID-19): New Discoveries and Current Challenges. Applied Sciences (Switzerland), 2020, 10, 3641.	1.3	31

#	Article	IF	Citations
37	Platinum and palladium complexes with tetrazole ligands: Synthesis, structure and applications. Coordination Chemistry Reviews, 2021, 446, 214132.	9.5	28
38	Biological Sources Used in Green Nanotechnology. Interface Science and Technology, 2019, 28, 81-111.	1.6	24
39	Green synthesis of Cu/zirconium silicate nanocomposite by using <scp>Rubia tinctorum</scp> leaf extract and its application in the preparation of Nâ€benzylâ€Nâ€arylcyanamides. Applied Organometallic Chemistry, 2019, 33, e4705.	1.7	13
40	Synthesis, characterization and catalytic performance of Pd(II) complex immobilized on Fe₃O₄@SiO₂ nanoparticles for the ligandâ€free cyanation of aryl halides using K₄Fe(CN)₆. Applied Organometallic Chemistry, 2019, 33, e4730.	1.7	13
41	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.	1.1	13
42	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.	1.8	13
43	A catalyst-free and expeditious general synthesis of N-benzyl-N-arylcyanamides under ultrasound irradiation at room temperature. Ultrasonics Sonochemistry, 2019, 56, 481-486.	3.8	11
44	Fe3O4@SiO2 nanoparticles-supported Cu(II) complex: An efficient and reusable nanocatalyst for treating environmental pollutants in aqueous medium. Colloids and Interface Science Communications, 2021, 44, 100455.	2.0	11
45	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.	0.8	10
46	Modified chitosan-zeolite supported Pd nanoparticles: A reusable catalyst for the synthesis of 5-substituted-1H-tetrazoles from aryl halides. International Journal of Biological Macromolecules, 2022, 209, 1573-1585.	3.6	9
47	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.	2.1	7
48	An introduction to green chemistry. , 2021, , 3-22.		1