

# Mojtaba Mahyari

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,244  
citations

394421

19  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive and flexible ammonia sensor based on S and N co-doped graphene quantum dots/polyaniline hybrid at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 239-248.	7.8	181
2	Nickel nanoparticles immobilized on three-dimensional nitrogen-doped graphene as a superb catalyst for the generation of hydrogen from the hydrolysis of ammonia borane. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16652-16659.	10.3	123
3	Graphene oxide-iron phthalocyanine catalyzed aerobic oxidation of alcohols. <i>Applied Catalysis A: General</i> , 2014, 469, 524-531.	4.3	98
4	Aqueous aerobic oxidation of alkyl arenes and alcohols catalyzed by copper(II) phthalocyanine supported on three-dimensional nitrogen-doped graphene at room temperature. <i>Chemical Communications</i> , 2014, 50, 7855-7857.	4.1	85
5	Ordered carbohydrate-derived porous carbons immobilized gold nanoparticles as a new electrode material for electrocatalytic oxidation and determination of nicotinamide adenine dinucleotide. <i>Biosensors and Bioelectronics</i> , 2014, 59, 412-417.	10.1	80
6	A room temperature volatile organic compound sensor with enhanced performance, fast response and recovery based on N-doped graphene quantum dots and poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) nanocomposite. <i>RSC Advances</i> , 2015, 5, 57559-57567.	3.6	78
7	PdCo bimetallic nanoparticles supported on PPI-grafted graphene as an efficient catalyst for Sonogashira reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9303.	10.3	67
8	Pd and PdCo alloy nanoparticles supported on polypropylenimine dendrimer-grafted graphene: A highly efficient anodic catalyst for direct formic acid fuel cells. <i>Journal of Power Sources</i> , 2014, 247, 70-77.	7.8	59
9	Iron(III) porphyrin supported on S and N co-doped graphene quantum dot as an efficient photocatalyst for aerobic oxidation of alcohols under visible light irradiation. <i>Applied Catalysis A: General</i> , 2016, 517, 100-109.	4.3	55
10	Gold nanoparticles supported on supramolecular ionic liquid grafted graphene: a bifunctional catalyst for the selective aerobic oxidation of alcohols. <i>RSC Advances</i> , 2013, 3, 22509.	3.6	54
11	Application of Polypropylene Amine Dendrimers (POPAM)-Grafted MWCNTs Hybrid Materials as a New Sorbent for Solid-Phase Extraction and Trace Determination of Gold(III) and Palladium(II) in Food and Environmental Samples. <i>Food Analytical Methods</i> , 2014, 7, 957-966.	2.6	52
12	Sensor for volatile organic compounds using an interdigitated gold electrode modified with a nanocomposite made from poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) and ultra-large graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 1551-1559.	5.0	44
13	Copper(II) phthalocyanine supported on a three-dimensional nitrogen-doped graphene/PEDOT-PSS nanocomposite as a highly selective and sensitive sensor for ammonia detection at room temperature. <i>RSC Advances</i> , 2015, 5, 79729-79737.	3.6	34
14	Fabrication of polyaniline-carrot derived carbon dots/polypyrrole-graphene nanocomposite for wide potential window supercapacitor. <i>Carbon Letters</i> , 2021, 31, 269-276.	5.9	29
15	The synthesis of xanthenes and benzoxanthenes on graphene oxide and sulfated graphene nanosheets in water. <i>Research on Chemical Intermediates</i> , 2014, 40, 2799-2810.	2.7	25
16	Gold nanoparticles anchored onto covalent poly deep eutectic solvent functionalized graphene: An electrochemical aptasensor for the detection of C-reactive protein. <i>Materials Chemistry and Physics</i> , 2021, 269, 124730.	4.0	25
17	Thiol-functionalized fructose-derived nanoporous carbon as a support for gold nanoparticles and its application for aerobic oxidation of alcohols in water. <i>Applied Organometallic Chemistry</i> , 2014, 28, 576-583.	3.5	22
18	Gold nanoparticles supported on three-dimensional nitrogen-doped graphene: an efficient catalyst for selective aerobic oxidation of hydrocarbons under mild conditions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 456-461.	3.5	21

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19	Chemical-resistant ammonia sensor based on polyaniline/CuO nanoparticles supported on three-dimensional nitrogen-doped graphene-based framework nanocomposites. <i>Mikrochimica Acta</i> , 2020, 187, 293.	5.0	21
20	Cobalt porphyrin supported on N and P co-doped graphene quantum dots/graphene as an efficient photocatalyst for aerobic oxidation of alcohols under visible-light irradiation. <i>Research on Chemical Intermediates</i> , 2018, 44, 3641-3657.	2.7	20
21	Isocyanide-Based Three-Component Synthesis of Highly Substituted 1,6-Dihydro-6,6-dimethylpyrazine-2,3-dicarbonitrile, 3,4-Dihydrobenzo[ <i>g</i> ]quinoxalin-2-amine, and 3,4-Dihydro-3,3-dimethylquinoxalin-2-amine Derivatives. <i>Helvetica Chimica Acta</i> , 2012, 95, 246-254.	1.6	15
22	Copper on chitosan-modified cellulose filter paper as an efficient dip catalyst for ATRP of MMA. <i>Scientific Reports</i> , 2021, 11, 8257.	3.3	11
23	Synthesis of fully functionalized iminolactones via an isocyanide-based three-component reaction. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1183-1187.	2.2	8
24	Biomimetic complexes-graphene composites for redox processes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5540.	3.5	8
25	Graphene-based nanocomposites sensors for detection of ammonia. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-25.	3.3	6
26	A Passerini-Type Condensation: A Carboxylic Acid-Free Approach for the Synthesis of the &#945;-Acyloxycarboxamides. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 858-864.	1.1	5
27	A Remarkable One-Pot Sequential Four-Component Synthesis of Tetrahydroquinazolines via an Isocyanide-Based Multicomponent Reaction. <i>Synlett</i> , 2013, 24, 1968-1972.	1.8	3
28	Visible-light-induced controlled ATRP by modified N-rich holey carbon nitride nanosheets in natural solvent. <i>Journal of Molecular Liquids</i> , 2020, 318, 114320.	4.9	3
29	Deep eutectic solvents as sustainable antistatic coating agent for cyclotetramethylenetetranitramine to reduce charge-accumulations. <i>Journal of Electrostatics</i> , 2020, 108, 103519.	1.9	1
30	Synthesis of poly(2,4,6-trinitrophenyl acetal acrylate) as a new energetic binder and calculation of its heat of formation: A theoretical and experimental study. <i>Reactive and Functional Polymers</i> , 2021, 168, 105062.	4.1	1