Mufsir Kuniyil

List of Publications by Year
in descending order

61 papers	2,370 citations	279798 23 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	3020 citing authors

#	Article	IF	Citations
1	Plant-Extract-Assisted Green Synthesis of Silver Nanoparticles Using Origanum vulgare L. Extract and Their Microbicidal Activities. Sustainability, 2018, 10, 913.	3.2	211
2	Biogenic synthesis of metallic nanoparticles and prospects toward green chemistry. Dalton Transactions, 2015, 44, 9709-9717.	3.3	174
3	Biogenic synthesis of palladium nanoparticles using Pulicaria glutinosa extract and their catalytic activity towards the Suzuki coupling reaction. Dalton Transactions, 2014, 43, 9026-9031.	3.3	157
4	Green synthesis of silver nanoparticles mediated by Pulicaria glutinosa extract. International Journal of Nanomedicine, 2013, 8, 1507.	6.7	151
5	Green Approach for the Effective Reduction of Graphene Oxide Using Salvadora persica L. Root (Miswak) Extract. Nanoscale Research Letters, 2015, 10, 987.	5.7	138
6	Removal of secbumeton herbicide from water on composite nanoadsorbent. Desalination and Water Treatment, 2016, 57, 10409-10421.	1.0	120
7	Green Synthesis and Characterization of Palladium Nanoparticles Using Origanum vulgare L. Extract and Their Catalytic Activity. Molecules, 2017, 22, 165.	3.8	101
8	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. Dalton Transactions, 2018, 47, 11988-12010.	3.3	97
9	Miswak mediated green synthesized palladium nanoparticles as effective catalysts for the Suzuki coupling reactions in aqueous media. Journal of Saudi Chemical Society, 2017, 21, 450-457.	5.2	84
10	Pulicaria glutinosa plant extract: a green and eco-friendly reducing agent for the preparation of highly reduced graphene oxide. RSC Advances, 2014, 4, 24119-24125.	3.6	73
11	Enhanced Antimicrobial Activity of Biofunctionalized Zirconia Nanoparticles. ACS Omega, 2020, 5, 1987-1996.	3.5	71
12	Antibacterial properties of silver nanoparticles synthesized using Pulicaria glutinosa plant extract as a green bioreductant. International Journal of Nanomedicine, 2014, 9, 3551.	6.7	55
13	Pulicaria glutinosa Extract: A Toolbox to Synthesize Highly Reduced Graphene Oxide-Silver Nanocomposites. International Journal of Molecular Sciences, 2015, 16, 1131-1142.	4.1	53
14	Synthesis of Au, Ag, and Auâ€“Ag Bimetallic Nanoparticles Using Pulicaria undulata Extract and Their Catalytic Activity for the Reduction of 4-Nitrophenol. Nanomaterials, 2020, 10, 1885.	4.1	52
15	Production of biodiesel from waste cooking oil using ZnCuO/N-doped graphene nanocomposite as an efficient heterogeneous catalyst. Arabian Journal of Chemistry, 2021, 14, 102982.	4.9	51
16	Green synthesis of Pd@graphene nanocomposite: Catalyst for the selective oxidation of alcohols. Arabian Journal of Chemistry, 2016, 9, 835-845.	4.9	50
17	<i>Pulicaria undulata</i> Extract-Mediated Eco-Friendly Preparation of TiO₂ Nanoparticles for Photocatalytic Degradation of Methylene Blue and Methyl Orange. ACS Omega, 2022, 7, 4812-4820.	3.5	43
18	A highly reduced graphene oxide/ZrO_xâ€“MnCO₃ or â€“Mn₂O₃ nanocomposite as an efficient catalyst for selective aerial oxidation of benzylic alcohols. RSC Advances, 2017, 7, 55336-55349.	3.6	42

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19	â€œMiswakâ€•Based Green Synthesis of Silver Nanoparticles: Evaluation and Comparison of Their Microbicidal Activities with the Chemical Synthesis. Molecules, 2016, 21, 1478.	3.8	40
20	Apoptosis inducing ability of silver decorated highly reduced graphene oxide nanocomposites in A549 lung cancer. International Journal of Nanomedicine, 2016, 11, 873.	6.7	31
21	Ag2O nanoparticles/MnCO3, â€“MnO2 or â€“Mn2O3/highly reduced graphene oxide composites as an efficient and recyclable oxidation catalyst. Arabian Journal of Chemistry, 2019, 12, 54-68.	4.9	29
22	Green Synthesis of Silver Nanoparticles Using Juniperus procera Extract: Their Characterization, and Biological Activity. Crystals, 2022, 12, 420.	2.2	28
23	Solvothermal Preparation and Electrochemical Characterization of Cubic ZrO2 Nanoparticles/Highly Reduced Graphene (HRG) based Nanocomposites. Materials, 2019, 12, 711.	2.9	26
24	Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction. Scientific Reports, 2020, 10, 11728.	3.3	26
25	One-Pot Synthesized Pd@N-Doped Graphene: An Efficient Catalyst for Suzukiâ€“Miyaura Couplings. Catalysts, 2019, 9, 469.	3.5	25
26	Mn3O4 nanoparticles: Synthesis, characterization and their antimicrobial and anticancer activity against A549 and MCF-7 cell lines. Saudi Journal of Biological Sciences, 2021, 28, 1196-1202.	3.8	24
27	Synthesis and comparative catalytic study of zinc oxide (ZnO<i>_x</i>) nanoparticles promoted MnCO₃, MnO₂ and Mn₂O₃ for selective oxidation of benzylic alcohols using molecular oxygen. Materials Express, 2017, 7, 79-92.	0.5	23
28	Efficient aerial oxidation of different types of alcohols using ZnO nanoparticleâ€“MnCO₃â€graphene oxide composites. Applied Organometallic Chemistry, 2020, 34, e5718.	3.5	23
29	Mixed Zinc/Manganese on Highly Reduced Graphene Oxide: A Highly Active Nanocomposite Catalyst for Aerial Oxidation of Benzylic Alcohols. Catalysts, 2017, 7, 391.	3.5	21
30	Modified Polyacrylic Acid-Zinc Composites: Synthesis, Characterization and Biological Activity. Molecules, 2016, 21, 292.	3.8	20
31	Plant Extract Mediated Eco-Friendly Synthesis of Pd@Graphene Nanocatalyst: An Efficient and Reusable Catalyst for the Suzuki-Miyaura Coupling. Catalysts, 2017, 7, 20.	3.5	20
32	Photocatalytic Degradation of Methylene Blue and Metanil Yellow Dyes Using Green Synthesized Zinc Oxide (ZnO) Nanocrystals. Crystals, 2022, 12, 22.	2.2	20
33	Evaluation of Biological Activities of Chemically Synthesized Silver Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	19
34	Eco-Friendly Mechanochemical Preparation of Ag2Oâ€“MnO2/Graphene Oxide Nanocomposite: An Efficient and Reusable Catalyst for the Base-Free, Aerial Oxidation of Alcohols. Catalysts, 2020, 10, 281.	3.5	19
35	Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols. Nanoscale Research Letters, 2015, 10, 52.	5.7	18
36	Ceria doped mixed metal oxide nanoparticles as oxidation catalysts: Synthesis and their characterization. Arabian Journal of Chemistry, 2015, 8, 766-770.	4.9	18

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37	Selective oxidation of benzylic alcohols using copper-manganese mixed oxide nanoparticles as catalyst. Arabian Journal of Chemistry, 2015, 8, 512-517.	4.9	18
38	Photocatalytic Degradation of Cefixime Trihydrate by Bismuth Ferrite Nanoparticles. Materials, 2022, 15, 213.	2.9	17
39	Synthesis, characterization, crystal structure and chemical behavior of [1,1-bis(diphenylphosphinomethyl)ethene]ruthenium(II) complex toward primary alkylamine addition. Transition Metal Chemistry, 2009, 34, 347-352.	1.4	16
40	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications. Chemical Record, 2022, 22, e202100274.	5.8	16
41	Promoting effects of thoria on the nickel-manganese mixed oxide catalysts for the aerobic oxidation of benzyl alcohol. Arabian Journal of Chemistry, 2017, 10, 448-457.	4.9	12
42	A Facile Synthesis of ZrOx-MnCO3/Graphene Oxide (GRO) Nanocomposites for the Oxidation of Alcohols using Molecular Oxygen under Base Free Conditions. Catalysts, 2019, 9, 759.	3.5	12
43	Facile Sonochemical Preparation of Au-ZrO2 Nanocatalyst for the Catalytic Reduction of 4-Nitrophenol. Applied Sciences (Switzerland), 2020, 10, 503.	2.5	12
44	Stereoselective interactions of chiral dipeptides on amylose based chiral stationary phases. Science China Chemistry, 2015, 58, 519-525.	8.2	11
45	Enhanced Apoptosis by Functionalized Highly Reduced Graphene Oxide and Gold Nanocomposites in MCF-7 Breast Cancer Cells. ACS Omega, 2021, 6, 15147-15155.	3.5	11
46	Synthesis and Comparative Catalytic Study of Zirconia-MnCO₃or -Mn₂O₃for the Oxidation of Benzylic Alcohols. ChemistryOpen, 2017, 6, 112-120.	1.9	10
47	Mechanistic Approaches of PHE and PPF Columns for Separation of Rasberry Ketone and Caffeine. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1324-1332.	1.0	9
48	ZnCl2 catalyzed new coumarinyl-chalcones as cytotoxic agents. Saudi Journal of Biological Sciences, 2021, 28, 386-394.	3.8	9
49	Synthesis, Characterization, and Relative Study on the Catalytic Activity of Zinc Oxide Nanoparticles Doped MnCO₃, â€"MnO₂, and â€"Mn₂O₃ Nanocomposites for Aerial Oxidation of Alcohols. Journal of Chemistry, 2017, 2017, 1-17.	1.9	8
50	Nanocomposites of gold nanoparticles with pregabalin: The future anti-seizure drug. Arabian Journal of Chemistry, 2020, 13, 6267-6273.	4.9	8
51	Silver-doped manganese based nanocomposites for aerial oxidation of alcohols. Materials Express, 2018, 8, 35-54.	0.5	7
52	Benzyl Alcohol Assisted Synthesis and Characterization of Highly Reduced Graphene Oxide (HRG)@ZrO₂ Nanocomposites. ChemistrySelect, 2017, 2, 3078-3083.	1.5	6
53	Comparative Catalytic Evaluation of Nano-ZrO_{<i>x</i>} Promoted Manganese Catalysts: Kinetic Study and the Effect of Dopant on the Aerobic Oxidation of Secondary Alcohols. Advances in Materials Science and Engineering, 2017, 2017, 1-14.	1.8	6
54	Solventless Mechanochemical Fabrication of ZnOâ€"MnCO3/N-Doped Graphene Nanocomposite: Efficacious and Recoverable Catalyst for Selective Aerobic Dehydrogenation of Alcohols under Alkali-Free Conditions. Catalysts, 2021, 11, 760.	3.5	6

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55	Eco-Friendly and Solvent-Less Mechanochemical Synthesis of ZrO2â€“MnCO3/N-Doped Graphene Nanocomposites: A Highly Efficacious Catalyst for Base-Free Aerobic Oxidation of Various Types of Alcohols. Catalysts, 2020, 10, 1136.	3.5	5
56	Synthesis and Characterization of CoxOyâ€“MnCO3 and CoxOyâ€“Mn2O3 Catalysts: A Comparative Catalytic Assessment Towards the Aerial Oxidation of Various Kinds of Alcohols. Processes, 2020, 8, 910.	2.8	5
57	Selective Oxidation of Benzylic Alcohols with Molecular Oxygen Catalyzed by Copper-Manganese Oxide Nanoparticles. Asian Journal of Chemistry, 2013, 25, 4815-4819.	0.3	3
58	Ytterbia doped nickelâ€“manganese mixed oxide catalysts for liquid phase oxidation of benzyl alcohol. Journal of Saudi Chemical Society, 2017, 21, 878-886.	5.2	3
59	Ag2O Nanoparticles-Doped Manganese Immobilized on Graphene Nanocomposites for Aerial Oxidation of Secondary Alcohols. Metals, 2018, 8, 468.	2.3	3
60	Synthesis of 14-Substituted-14H-Dibenzo[a,j]Xanthene Derivatives in Presence of Effective Synergetic Catalytic System Bleaching Earth Clay and PEG-600. Catalysts, 2021, 11, 1294.	3.5	2
61	Pyrene Functionalized Highly Reduced Graphene Oxide-palladium Nanocomposite: A Novel Catalyst for the Mizoroki-Heck Reaction in Water. Frontiers in Chemistry, 2022, 10, 872366.	3.6	2