List of Publications by Year in descending order

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		126907	118850
112	4,422	33	62
papers	citations	h-index	g-index
113	113	113	5522
all docs	docs citations	times ranked	citing authors

MILLEER KHAN

#	Article	IF	CITATIONS
1	Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications. Journal of Materials Chemistry A, 2015, 3, 18753-18808.	10.3	563
2	COVID-19: A Global Challenge with Old History, Epidemiology and Progress So Far. Molecules, 2021, 26, 39.	3.8	296
3	Plant-Extract-Assisted Green Synthesis of Silver Nanoparticles Using Origanum vulgare L. Extract and Their Microbicidal Activities. Sustainability, 2018, 10, 913.	3.2	211
4	Biogenic synthesis of metallic nanoparticles and prospects toward green chemistry. Dalton Transactions, 2015, 44, 9709-9717.	3.3	174
5	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
6	Green synthesis of silver nanoparticles mediated by Pulicaria glutinosa extract. International Journal of Nanomedicine, 2013, 8, 1507.	6.7	151
7	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
8	Crystal Engineering of Pharmaceutical Co-crystals: Application of Methyl Paraben as Molecular Hook. Journal of the American Chemical Society, 2010, 132, 5254-5263.	13.7	106
9	Green Synthesis and Characterization of Palladium Nanoparticles Using Origanum vulgare L. Extract and Their Catalytic Activity. Molecules, 2017, 22, 165.	3.8	101
10	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. Dalton Transactions, 2018, 47, 11988-12010.	3.3	97
11	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
12	Antifungal silver nanoparticles: synthesis, characterization and biological evaluation. Biotechnology and Biotechnological Equipment, 2016, 30, 56-62.	1.3	79
13	Transient States in [2 + 2] Photodimerization of Cinnamic Acid:  Correlation of Solid-State NMR and X-ray Analysis. Journal of the American Chemical Society, 2008, 130, 1741-1748.	13.7	77
14	A Highâ€Performance Asymmetric Supercapacitor Based on Tungsten Oxide Nanoplates and Highly Reduced Graphene Oxide Electrodes. Chemistry - A European Journal, 2021, 27, 6973-6984.	3.3	75
15	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
16	Enhanced Antimicrobial Activity of Biofunctionalized Zirconia Nanoparticles. ACS Omega, 2020, 5, 1987-1996.	3.5	71
17	Azadirachta indica based biosynthesis of silver nanoparticles and evaluation of their antibacterial and cytotoxic effects. Journal of King Saud University - Science, 2020, 32, 648-656.	3.5	61
18	Structural, dielectric and low temperature magnetic response of Zn doped cobalt ferrite nanoparticles. AIP Advances, 2019, 9, .	1.3	58

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19	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
20	Oâ^'H···N Heterosynthon: A Robust Supramolecular Unit For Crystal Engineering. Crystal Growth and Design, 2009, 9, 2354-2362.	3.0	53
21	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
22	Synthesis and characterization of Mg-Ag-Mn nano-ferrites for electromagnet applications. Physica B: Condensed Matter, 2019, 569, 1-7.	2.7	52
23	Synthesis of Au, Ag, and Au–Ag Bimetallic Nanoparticles Using Pulicaria undulata Extract and Their Catalytic Activity for the Reduction of 4-Nitrophenol. Nanomaterials, 2020, 10, 1885.	4.1	52
24	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
25	Green synthesis of Pd@graphene nanocomposite: Catalyst for the selective oxidation of alcohols. Arabian Journal of Chemistry, 2016, 9, 835-845.	4.9	50
26	Chemical diversity in leaf and stem essential oils of Origanum vulgare L. and their effects on microbicidal activities. AMB Express, 2019, 9, 176.	3.0	48
27	Fabrication and characterizations of Al nanoparticles doped ZnO nanostructures-based integrated electrochemical biosensor. Journal of Materials Research and Technology, 2020, 9, 857-867.	5.8	46
28	<i>Pulicaria undulata</i> Extract-Mediated Eco-Friendly Preparation of TiO ₂ Nanoparticles for Photocatalytic Degradation of Methylene Blue and Methyl Orange. ACS Omega, 2022, 7, 4812-4820.	3.5	43
29	A highly reduced graphene oxide/ZrO _x –MnCO ₃ or –Mn ₂ O ₃ nanocomposite as an efficient catalyst for selective aerial oxidation of benzylic alcohols. RSC Advances, 2017, 7, 55336-55349.	3.6	42
30	"Miswak―Based Green Synthesis of Silver Nanoparticles: Evaluation and Comparison of Their Microbicidal Activities with the Chemical Synthesis. Molecules, 2016, 21, 1478.	3.8	40
31	Counteraction of Biofilm Formation and Antimicrobial Potential of Terminalia catappa Functionalized Silver Nanoparticles against Candida albicans and Multidrug-Resistant Gram-Negative and Gram-Positive Bacteria. Antibiotics, 2021, 10, 725.	3.7	38
32	Sulfated tin oxide (STO) – Structural properties and application in catalysis: A review. Arabian Journal of Chemistry, 2016, 9, 550-573.	4.9	37
33	Facile Fabrication of a ZnO/Eu ₂ 0 ₃ /NiO-Based Ternary Heterostructure Nanophotocatalyst and Its Application for the Degradation of Methylene Blue. ACS Omega, 2021, 6, 3866-3874.	3.5	35
34	Engineered Nanomaterials in Soil: Their Impact on Soil Microbiome and Plant Health. Plants, 2022, 11, 109.	3.5	35
35	Green synthesis of ZnO hierarchical microstructures by Cordia myxa and their antibacterial activity. Saudi Journal of Biological Sciences, 2019, 26, 1364-1371.	3.8	32
36	Magnetic properties of Ce doped M-type strontium hexaferrites synthesized by ceramic route. Journal of Magnetism and Magnetic Materials, 2019, 474, 83-89.	2.3	32

#	Article	IF	CITATIONS
37	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
38	Heterosynthon mediated tailored synthesis of pharmaceutical complexes: a solid-state NMR approach. CrystEngComm, 2011, 13, 3213.	2.6	29
39	Ag2O nanoparticles/MnCO3, –MnO2 or –Mn2O3/highly reduced graphene oxide composites as an efficient and recyclable oxidation catalyst. Arabian Journal of Chemistry, 2019, 12, 54-68.	4.9	29
40	Bioengineered silver nanoparticles using Curvularia pallescens and its fungicidal activity against Cladosporium fulvum. Saudi Journal of Biological Sciences, 2017, 24, 1522-1528.	3.8	28
41	Sol–Gel Synthesis of Dy-Substituted Ni0.4Cu0.2Zn0.4(Fe2-xDyx)O4 Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. International Journal of Nanomedicine, 2021, Volume 16, 5633-5650.	6.7	28
42	Green Synthesis of Silver Nanoparticles Using Juniperus procera Extract: Their Characterization, and Biological Activity. Crystals, 2022, 12, 420.	2.2	28
43	Butea monosperma seed extract mediated biosynthesis of ZnO NPs and their antibacterial, antibiofilm and anti-quorum sensing potentialities. Arabian Journal of Chemistry, 2021, 14, 103044.	4.9	27
44	Solid-State NMR and X-ray Analysis of Structural Transformations in Oâ^'H···N Heterosynthons Formed by Hydrogen-Bond-Mediated Molecular Recognition. Journal of Organic Chemistry, 2009, 74, 2261-2270.	3.2	26
45	Solvothermal Preparation and Electrochemical Characterization of Cubic ZrO2 Nanoparticles/Highly Reduced Graphene (HRG) based Nanocomposites. Materials, 2019, 12, 711.	2.9	26
46	Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction. Scientific Reports, 2020, 10, 11728.	3.3	26
47	Impairment of DNA in a Freshwater Gastropod (Lymnea luteola L.) After Exposure to Titanium Dioxide Nanoparticles. Archives of Environmental Contamination and Toxicology, 2015, 68, 543-552.	4.1	25
48	One-Pot Synthesized Pd@N-Doped Graphene: An Efficient Catalyst for Suzuki–Miyaura Couplings. Catalysts, 2019, 9, 469.	3.5	25
49	Pollen Bee Aqueous Extract-Based Synthesis of Silver Nanoparticles and Evaluation of Their Anti-Cancer and Anti-Bacterial Activities. Processes, 2020, 8, 524.	2.8	25
50	Study of Antibacterial Properties of Ziziphus mauritiana based Green Synthesized Silver Nanoparticles against Various Bacterial Strains. Sustainability, 2020, 12, 1484.	3.2	24
51	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
52	Gold & silver nanoparticles supported on manganese oxide: Synthesis, characterization and catalytic studies for selective oxidation of benzyl alcohol. Arabian Journal of Chemistry, 2014, 7, 1192-1198.	4.9	23
53	Synthesis and comparative catalytic study of zinc oxide (ZnO <i>_x</i>) nanoparticles promoted MnCO ₃ , MnO ₂ and Mn ₂ O ₃ for selective oxidation of benzylic alcohols using molecular oxygen. Materials Express, 2017, 7, 79-92.	0.5	23
54	Efficient aerial oxidation of different types of alcohols using ZnO nanoparticle–MnCO ₃ â€graphene oxide composites. Applied Organometallic Chemistry, 2020, 34, e5718.	3.5	23

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55	Surface-coated magnetic nanostructured materials for robust bio-catalysis and biomedical applications-A review. Journal of Advanced Research, 2022, 38, 157-177.	9.5	22
56	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
57	Zirconium-Doped Chromium IV Oxide Nanocomposites: Synthesis, Characterization, and Photocatalysis towards the Degradation of Organic Dyes. Catalysts, 2021, 11, 117.	3.5	21
58	Modified Polyacrylic Acid-Zinc Composites: Synthesis, Characterization and Biological Activity. Molecules, 2016, 21, 292.	3.8	20
59	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
60	Evaluation of Biological Activities of Chemically Synthesized Silver Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	19
61	Eco-Friendly Mechanochemical Preparation of Ag2O–MnO2/Graphene Oxide Nanocomposite: An Efficient and Reusable Catalyst for the Base-Free, Aerial Oxidation of Alcohols. Catalysts, 2020, 10, 281.	3.5	19
62	Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols. Nanoscale Research Letters, 2015, 10, 52.	5.7	18
63	Ceria doped mixed metal oxide nanoparticles as oxidation catalysts: Synthesis and their characterization. Arabian Journal of Chemistry, 2015, 8, 766-770.	4.9	18
64	Spilanthes acmella Leaves Extract for Corrosion Inhibition in Acid Medium. Coatings, 2021, 11, 106.	2.6	17
65	Optimization of Redox and Catalytic Performance of LaFeO3 Perovskites: Synthesis and Physicochemical Properties. Journal of Electronic Materials, 2019, 48, 4351-4361.	2.2	16
66	Synthesis of nano-NiXFe2O4 (X = Mg/Co) by citrate-gel method: structural, morphological and low-temperature magnetic properties. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	16
67	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications. Chemical Record, 2022, 22, e202100274.	5.8	16
68	Probing the Catalytic Efficiency of Supported Heteropoly Acids for Esterification: Effect of Weak Catalyst Support Interactions. Journal of Chemistry, 2018, 2018, 1-10.	1.9	15
69	Evaluation of the Anticancer Activity of Phytomolecules Conjugated Gold Nanoparticles Synthesized by Aqueous Extracts of Zingiber officinale (Ginger) and Nigella sativa L. Seeds (Black Cumin). Materials, 2021, 14, 3368.	2.9	15
70	Straightforward Synthesis of Mn3O4/ZnO/Eu2O3-Based Ternary Heterostructure Nano-Photocatalyst and Its Application for the Photodegradation of Methyl Orange and Methylene Blue Dyes. Molecules, 2021, 26, 4661.	3.8	15
71	TAT-peptide conjugated repurposing drug against SARS-CoV-2 main protease (3CLpro): Potential therapeutic intervention to combat COVID-19. Arabian Journal of Chemistry, 2020, 13, 8069-8079.	4.9	14
72	Isolation and characterization of nanocrystalline cellulose from flaxseed Hull: A future onco-drug delivery agent. Journal of Saudi Chemical Society, 2020, 24, 374-379.	5.2	13

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73	ZnO/La2O3/NiO based ternary heterostructure nano-photocatalyst: Preparation, characterization and its application for the degradation of methylene blue. Journal of King Saud University - Science, 2022, 34, 101738.	3.5	13
74	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
75	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
76	Facile Sonochemical Preparation of Au-ZrO2 Nanocatalyst for the Catalytic Reduction of 4-Nitrophenol. Applied Sciences (Switzerland), 2020, 10, 503.	2.5	12
77	Characterization of secondary metabolites of leaf and stem essential oils of Achillea fragrantissima from central region of Saudi Arabia. Arabian Journal of Chemistry, 2020, 13, 5254-5261.	4.9	12
78	Probing atomic level structural transformation in O–H⋯N heterosynthon crystal. CrystEngComm, 2009, 11, 1001.	2.6	11
79	Microwave-assisted green synthesis of 1,5 benzodiazepines using Cu(II)-clay nanocatalyst. Journal of King Saud University - Science, 2020, 32, 979-985.	3.5	11
80	Ecofriendly Synthesis of Silver Nanoparticles Using Aqueous Extracts of Zingiber officinale (Ginger) and Nigella sativa L. Seeds (Black Cumin) and Comparison of Their Antibacterial Potential. Sustainability, 2020, 12, 10523.	3.2	11
81	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
82	Synthesis and Comparative Catalytic Study of Zirconia-MnCO ₃ or -Mn ₂ O ₃ for the Oxidation of Benzylic Alcohols. ChemistryOpen, 2017, 6, 112-120.	1.9	10
83	ZnCl2 catalyzed new coumarinyl-chalcones as cytotoxic agents. Saudi Journal of Biological Sciences, 2021, 28, 386-394.	3.8	9
84	Adsorption Studies of Arsenic(V) by CuO Nanoparticles Synthesized by Phyllanthus emblica Leaf-Extract-Fueled Solution Combustion Synthesis. Sustainability, 2021, 13, 2017.	3.2	9
85	Synthesis, Characterization, and Relative Study on the Catalytic Activity of Zinc Oxide Nanoparticles Doped MnCO ₃ , –MnO ₂ , and –Mn ₂ O ₃ Nanocomposites for Aerial Oxidation of Alcohols. Journal of Chemistry, 2017, 2017, 1-17.	1.9	8
86	Copper promoted desulfurization and C-N cross coupling reactions: Simple approach to the synthesis of substituted 2-aminobenzoxazoles and 2,5-disubstituted tetrazole amines. Arabian Journal of Chemistry, 2020, 13, 4477-4494.	4.9	8
87	Enhanced Photoluminescence and Photocatalytic Efficiency of La-Doped Bismuth Molybdate: Its Preparation and Characterization. Materials, 2020, 13, 35.	2.9	8
88	Influence of Zn-Zr substitution on the crystal chemistry and magnetic properties of CoFe2O4 nanoparticles synthesized by sol-gel method. Physica B: Condensed Matter, 2020, 596, 412400.	2.7	8
89	Nanocomposites of gold nanoparticles with pregabalin: The future anti-seizure drug. Arabian Journal of Chemistry, 2020, 13, 6267-6273.	4.9	8
90	Facile Synthesis and Characterization of Palladium@Carbon Catalyst for the Suzuki-Miyaura and Mizoroki-Heck Coupling Reactions. Applied Sciences (Switzerland), 2021, 11, 4822.	2.5	8

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91	Evaluation of the Thermal and Morphological Properties of Î ³ -Irradiated Chitosan-Glycerol-Based Polymeric Films. Processes, 2021, 9, 1783.	2.8	8
92	Silver-doped manganese based nanocomposites for aerial oxidation of alcohols. Materials Express, 2018, 8, 35-54.	0.5	7
93	Screening of potential cytotoxic activities of some medicinal plants of Saudi Arabia. Saudi Journal of Biological Sciences, 2022, 29, 1801-1807.	3.8	7
94	Probing the molecular orientation of chemically polymerized polythiophene-polyrotaxane via solid state NMR. Arabian Journal of Chemistry, 2017, 10, 708-714.	4.9	6
95	Benzyl Alcohol Assisted Synthesis and Characterization of Highly Reduced Graphene Oxide (HRG)@ZrO ₂ Nanocomposites. ChemistrySelect, 2017, 2, 3078-3083.	1.5	6
96	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
97	Solventless Mechanochemical Fabrication of ZnO–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
98	Half-metallicity and onsite Hubbard interaction on d-electronic states: a case study of Fe2NiZ (Z = Al,)	Tj EŢQqO C) 0 rgBT /Over
99	Eco-Friendly and Solvent-Less Mechanochemical Synthesis of ZrO2–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
100	Synthesis and Characterization of CoxOy–MnCO3 and CoxOy–Mn2O3 Catalysts: A Comparative Catalytic Assessment Towards the Aerial Oxidation of Various Kinds of Alcohols. Processes, 2020, 8, 910.	2.8	5
101	Green Synthesized ZnO Nanoparticles as Biodiesel Blends and Their Effect on the Performance and Emission of Greenhouse Gases. Molecules, 2022, 27, 2845.	3.8	5
102	Facile synthesis of nickel based nanostructures from Ni[EMIM]Cl2 ionic liquid precursor: effects of thermal and chemical methods on the properties of nanoparticles. RSC Advances, 2016, 6, 86340-86345.	3.6	4
103	Ytterbia doped nickel–manganese mixed oxide catalysts for liquid phase oxidation of benzyl alcohol. Journal of Saudi Chemical Society, 2017, 21, 878-886.	5.2	3
104	Graphene-based nanomaterials for solar cells. , 2018, , 127-152.		3
105	Ag2O Nanoparticles-Doped Manganese Immobilized on Graphene Nanocomposites for Aerial Oxidation of Secondary Alcohols. Metals, 2018, 8, 468.	2.3	3
106	A Study and Comparison of the Preparation of Gadolinium Aluminate Nanoparticles Using Î ³ -Irradiated and Unirradiated Precursors. Advances in Materials Science and Engineering, 2018, 2018, 1-6.	1.8	2
107	Metal-free Catalyzed One-Pot Multicomponent Synthesis of (E)-3-(2-((5-(Benzylideneamino)-1,3,4-thiadiazol-2-yl)thio) Acetyl)-2H-chromen-2-one Derivatives and Their Biological Evaluation. Journal of Chemistry, 2020, 2020, 1-7.	1.9	2
108	Dielectric Studies of Bi2MoO6/Graphene Oxide and La-Doped Bi2MoO6/Graphene Oxide Nanocomposites. Metals, 2021, 11, 559.	2.3	2

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109	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
110	Synthesis of 1,2-Dihydro-Substituted Aniline Analogues Involving <i>N</i> -Phenyl-3-aza-Cope Rearrangement Using a Metal-Free Catalytic Approach. Journal of Chemistry, 2020, 2020, 1-8.	1.9	1
111	A-ï€-D-ï€-A-Based Small Molecules for OTFTs Containing Diketopyrrolopyrrole as Acceptor Units. Micromachines, 2021, 12, 817.	2.9	1
112	Microbial synthesis of magnetic nanomaterials. , 2022, , 323-356.		1