Mohammad Hilni Harunsani

List of Publications by Year
in descending order

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28	902	430754	526166
papers	citations	18 h-index	27 g-index

28	28	28	765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plant-Extract-Mediated SnO₂ Nanoparticles: Synthesis and Applications. ACS Sustainable Chemistry and Engineering, 2020, 8, 3040-3054.	3.2	127
2	Potentials of Costus woodsonii leaf extract in producing narrow band gap ZnO nanoparticles. Materials Science in Semiconductor Processing, 2019, 91, 194-200.	1.9	84
3	Green-synthesized CeO₂nanoparticles for photocatalytic, antimicrobial, antioxidant and cytotoxicity activities. Journal of Materials Chemistry B, 2021, 9, 5599-5620.	2.9	66
4	Electronic and Structural Properties of Sn_xTi_{1â^'x}O₂(0.0 â‰¤xâ‰¤ 0.1) Solid Solutions. Chemistry of Materials, 2010, 22, 1551-1558.	3.2	55
5	Zinc oxide and zinc oxide-based nanostructures: biogenic and phytogenic synthesis, properties and applications. Bioprocess and Biosystems Engineering, 2021, 44, 1333-1372.	1.7	55
6	Influence of Mg and Cu dual-doping on phytogenic synthesized ZnO for light induced antibacterial and radical scavenging activities. Materials Science in Semiconductor Processing, 2021, 128, 105761.	1.9	41
7	Antibacterial Studies of ZnO and Cu-Doped ZnO Nanoparticles Synthesized Using Aqueous Leaf Extract of Stachytarpheta jamaicensis. BioNanoScience, 2020, 10, 1037-1048.	1.5	38
8	Phytogenic Synthesis of Band Gap-Narrowed ZnO Nanoparticles Using the Bulb Extract of Costus woodsonii. BioNanoScience, 2019, 9, 334-344.	1.5	37
9	Phthalate Sample Preparation Methods and Analysis in Food and Food Packaging: a Review. Food Analytical Methods, 2017, 10, 3790-3814.	1.3	36
10	Antibacterial activities of zinc oxide and Mn-doped zinc oxide synthesized using Melastoma malabathricum (L.) leaf extract. Bioprocess and Biosystems Engineering, 2020, 43, 1499-1508.	1.7	36
11	Green synthesis of CeO₂ and Zr/Sn-dual doped CeO₂ nanoparticles with photoantioxidant and antibiofilm activities. Biomaterials Science, 2021, 9, 4854-4869.	2.6	36
12	Photoantioxidant studies of SnO2 nanoparticles fabricated using aqueous leaf extract of Tradescantia spathacea. Solid State Sciences, 2020, 105, 106279.	1.5	33
13	Effect of Ni-doping on properties of the SnO2 synthesized using Tradescantia spathacea for photoantioxidant studies. Materials Chemistry and Physics, 2020, 252, 123293.	2.0	32
14	Visible light induced antibacterial and antioxidant studies of ZnO and Cu-doped ZnO fabricated using aqueous leaf extract of Ziziphus mauritiana Lam. Journal of Environmental Chemical Engineering, 2021, 9, 105481.	3.3	30
15	Photoantioxidant and antibiofilm studies of green synthesized Sn-doped CeO₂ nanoparticles using aqueous leaf extracts of Pometia pinnata. New Journal of Chemistry, 2021, 45, 7816-7829.	1.4	29
16	Effect of Mg doping on ZnO fabricated using aqueous leaf extract of Ziziphus mauritiana Lam. for antioxidant and antibacterial studies. Bioprocess and Biosystems Engineering, 2021, 44, 875-889.	1.7	28
17	Control of chemical state of cerium in doped anatase TiO₂by solvothermal synthesis and its application in photocatalytic water reduction. Journal of Materials Chemistry A, 2015, 3, 9890-9898.	5.2	27
18	Antioxidant and antibacterial studies of phytogenic fabricated ZnO using aqueous leaf extract of Ziziphus mauritiana Lam. Chemical Papers, 2021, 75, 3295-3308.	1.0	22

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19	Spontaneous formation of circular and vortex ferroelectric domain structure in hexagonal YMnO3 and YMn0.9Fe0.1O3 prepared by low temperature solution synthesis. Applied Physics Letters, 2015, 107, .	1.5	15
20	Effect of Co2+ and Ni2+ co-doping on SnO2 synthesized via phytogenic method for photoantioxidant studies and photoconversion of 4-nitrophenol. Materials Today Communications, 2020, 25, 101677.	0.9	15
21	Green and Phytogenic Fabrication of Co-Doped SnO2 Using Aqueous Leaf Extract of Tradescantia spathacea for Photoantioxidant and Photocatalytic Studies. BioNanoScience, 2021, 11, 120-135.	1.5	12
22	Visible light active La-doped Ag3PO4 for photocatalytic degradation of dyes and reduction of Cr(VI). Solid State Sciences, 2022, 131, 106950.	1.5	12
23	Structural, Morphological and Optical Studies of CeO2 Nanoparticles Synthesized Using Aqueous Leaf Extract of Pometia pinnata. BioNanoScience, 2022, 12, 393-404.	1.5	10
24	Investigation of the hydrothermal crystallisation of the perovskite solid solution NaCe1â˜'La Ti2O6 and its defect chemistry. Journal of Solid State Chemistry, 2013, 207, 117-125.	1.4	8
25	Investigation of some new hydro(solvo)thermal synthesis routes to nanostructured mixed-metal oxides. Journal of Solid State Chemistry, 2014, 214, 30-37.	1.4	8
26	Effect of Zr doping on photoantioxidant and antibiofilm properties of CeO2 NPs fabricated using aqueous leaf extract of Pometia pinnata. Bioprocess and Biosystems Engineering, 2022, 45, 279-295.	1.7	7
27	An investigation of Zr doping in NaBiTi₂O₆ perovskite by direct hydrothermal synthesis. Dalton Transactions, 2015, 44, 10714-10720.	1.6	3
28	Zinc oxide-based nanomaterials for photocatalytic degradation of environmental and agricultural pollutants. , 2021, , 543-568.		0