Mohammad Hilni Harunsani

List of Publications by Citations

27 papers	485 citations	14 h-index	21 g-index
28 ext. papers	686 ext. citations	4.6 avg, IF	4.6 L-index

#	Paper	IF	Citations
27	Plant-Extract-Mediated SnO2 Nanoparticles: Synthesis and Applications. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3040-3054	8.3	67
26	Electronic and Structural Properties of SnxTi1−xO2 (0.0 ≤ x ≤ 0.1) Solid Solutions. *Chemistry of Materials*, **2010**, 22, 1551-1558	9.6	54
25	Potentials of Costus woodsonii leaf extract in producing narrow band gap ZnO nanoparticles. *Materials Science in Semiconductor Processing*, **2019**, 91, 194-200	4.3	52
24	Control of chemical state of cerium in doped anatase TiO2 by solvothermal synthesis and its application in photocatalytic water reduction. *Journal of Materials Chemistry A*, **2015**, 3, 9890-9898	13	23
23	Phytogenic Synthesis of Band Gap-Narrowed ZnO Nanoparticles Using the Bulb Extract of Costus woodsonii. *BioNanoScience*, **2019**, 9, 334-344	3.4	23
22	Photoantioxidant studies of SnO2 nanoparticles fabricated using aqueous leaf extract of Tradescantia spathacea. *Solid State Sciences*, **2020**, 105, 106279	3.4	22
21	Phthalate Sample Preparation Methods and Analysis in Food and Food Packaging: a Review. *Food Analytical Methods*, **2017**, 10, 3790-3814	3.4	21
20	Effect of Ni-doping on properties of the SnO2 synthesized using Tradescantia spathacea for photoantioxidant studies. *Materials Chemistry and Physics*, **2020**, 252, 123293	4.4	21
19	Green-synthesized CeO nanoparticles for photocatalytic, antimicrobial, antioxidant and cytotoxicity activities. *Journal of Materials Chemistry B*, **2021**, 9, 5599-5620	7.3	21
18	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	3.6	18
17	Zinc oxide and zinc oxide-based nanostructures: biogenic and phytogenic synthesis, properties and applications. *Bioprocess and Biosystems Engineering*, **2021**, 44, 1333-1372	3.7	17
16	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	4.3	17
15	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, 062905	3.4	14
14	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	3.7	14
13	Antibacterial Studies of ZnO and Cu-Doped ZnO Nanoparticles Synthesized Using Aqueous Leaf Extract of Stachytarpheta jamaicensis. *BioNanoScience*, **2020**, 10, 1037-1048	3.4	12
12	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	3.7	12
11	Green synthesis of CeO and Zr/Sn-dual doped CeO nanoparticles with photoantioxidant and antibiofilm activities. *Biomaterials Science*, **2021**, 9, 4854-4869	7.4	12

List of Publications

10	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	2.5	11
9	Antioxidant and antibacterial studies of phytogenic fabricated ZnO using aqueous leaf extract of Ziziphus mauritiana Lam. *Chemical Papers*, **2021**, 75, 3295-3308	1.9	10
8	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	6.8	10
7	Investigation of the hydrothermal crystallisation of the perovskite solid solution NaCe1−La Ti2O6 and its defect chemistry. *Journal of Solid State Chemistry*, **2013**, 207, 117-125	3.3	8
6	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	3.4	8
5	Investigation of some new hydro(solvo)thermal synthesis routes to nanostructured mixed-metal oxides. *Journal of Solid State Chemistry*, **2014**, 214, 30-37	3.3	7
4	Structural, Morphological and Optical Studies of CeO2 Nanoparticles Synthesized Using Aqueous Leaf Extract of Pometia pinnata. *BioNanoScience*,1	3.4	5
3	An investigation of Zr doping in NaBiTi2O6 perovskite by direct hydrothermal synthesis. *Dalton Transactions*, **2015**, 44, 10714-20	4.3	3
2	Effect of Zr doping on photoantioxidant and antibiofilm properties of CeO NPs fabricated using aqueous leaf extract of Pometia pinnata. *Bioprocess and Biosystems Engineering*, **2021**, 1	3.7	2
1	Zinc oxide-based nanomaterials for photocatalytic degradation of environmental and agricultural pollutants **2021**, 543-568		