Profile Page

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Journal Publications :

Year	Journal	Publication
2018	Applied Organometallic Chemistry (I.F 3.58), 32, e4357	H Singh, N Garg, JK Rajput, P Arora, Jigyasa, "Sucrose chelated auto combustion synthesis of BiFeO3 nanoparticles: Magnetically recoverable catalyst for the one?pot synthesis of polyhydroquinoline"
2018	Applied organometallic Chemistry (I.F 3.58), 32, e4514	H Singh, JK Rajput, G. Govil, P Arora, Jigyasa, "Dual Functional Novel Catalytic Cu1-xZrxFe2O4(x=0, 0.5,1) Nanoparticles for: Synthesis of Polysubstituted Pyridines and Sunlight Driven Degradation of M.B"
2018	Biosensors and Bioelectronics (I.F. 8.17), 120, 153-159	Jigyasa, J K Rajput, "Bio-polyphenols promoted green synthesis of silver nanoparticles for facile and ultra-sensitive colorimetric detection of melamine in milk"
2017	Environmental Science and Pollution Research(I.F 2.80), 24, 19546–19560	P Arora, A Fermah, JK Rajput, H Singh, J Badhan, "Efficient solar light-driven degradation of Congo red with novel Cu-loaded Fe3O4@TiO2 nanoparticles"
2017	Journal of Materials Science(I.F 2.99), 52, 11413–11427	P Arora, JK Rajput, "One-pot multicomponent click synthesis of pyrazole derivatives using cyclodextrin-supported capsaicin nanoparticles as catalyst"
2017	Applied organometallic Chemistry.(I.F 3.58), 32, e3989	H Singh, JK Rajput, "Co(II) anchored glutaraldehyde crosslinked magnetic chitosan nanoparticles (MCS) for synthesis of 2,4,5-trisubstituted and 1,2,4,5-tetrasubstituted imidazoles"
2017	Applied organometallic Chemistry(I.F 3.58), 32, e4001	P Arora, JK Rajput, "Amelioration of H4[W12SiO40] by nanomagneticheterogenization: For the synthesis of 1H–pyrazolo[1,2-b]phthalazinedione derivatives."
2017	Journal of Materials Science (I.F 2.99), 53, 3163–3188	H Singh, JK Rajput, "Chelation and calcination promoted preparationof perovskite-structured BiFeO3 nanoparticles: a novelmagnetic catalyst for the synthesis of dihydro-2-oxypyrroles"
2017	Sensors and Actuators B (I.F 5.66), 259, 990–1005	Jigyasa, JK Rajput, ""“ON-OFF” novel fluorescent chemosensors based on nanoaggregates of triarylimidazoles for superselective detection of nitro-explosive trinitrophenol in multiple solvent systems"
2016	Journal of Magnetism and Magnetic Materials(I.F 3.04), 401, 770-774	J Saini, R Kumar, JK Rajput, A Kumar, "Study of ZrxZn 0.5? x Ni 0.5 Fe 2 O 4 0? x? 0.25: Synthesis, structural, magnetic and electrical properties,"

2016	Sensor Letters(I.F 0.32), 14, 733-739	S Kaur, A Kumar, JK Rajput, P Arora, H Singh, "SnO2-Glycine Functionalized Carbon Nanotubes Based Electronic Nose for Detection of Explosive Materials"
2016	RSC Advances(I.F 2.92), 6 , 84658-84671	H Singh, JK Rajput, P Arora, J Badhan, "Role of (3-aminopropyl) tri alkoxysilanes in grafting of chlorosulphonic acid immobilized magnetic nanoparticles and their application as heterogeneous catalyst for green synthesis of ?-aminonitrile"
2015	RSC Advances(I.F 2.92), 5 (118), 97212-97223	P Arora, JK Rajput, H Singh, "Nanostructured oxytyramine catalyst for the facile one-pot synthesis of cyclohexanecarbonitrile derivatives"
2015	Materials Chemistry and Physics(I.F 2.21), 156, 150-162	A Kumar, ML 10.Singla, A 11.Kumar, JK Rajput, "POMANI-Mn 3 O 4 based thin film NTC thermistor and its linearization for overheating protection sensor"
2015	International Journal Of Engineering And Computer Science(I.F 4.09), 4 (3), 11032-11036	AK Jasmeen Saini, Rupesh Kumar, Jaspreet Kaur Rajput, "XRD And AFM Study Of Zirconium Substituted Zn-Ni Ferrite Using Solution Combustion Method"
2015	Ultrasonics sonochemistry(I.F 6.01), 26, 229-240	JK Rajput, P Arora, G Kaur, M Kaur, "CuFe2O4 magnetic heterogeneous nanocatalyst: Low power sonochemical-coprecipitation preparation and applications in synthesis of 4H-chromene-3-carbonitrile scaffolds"
2014	Journal of Materials Science: Materials in Electronics(I.F 2.32), 1-15	A Kumar, ML Singla, A Kumar, JK Rajput, "HCl/CSA doped POT-Mn3O4 nanocomposites based conformable thin film temperature sensor for prosthetic hand gloves"
2014	Catalysis Science & Technology(I.F 5.36), 4 (1), 142-151	JK Rajput, G Kaur, "Synthesis and applications of CoFe 2 O 4 nanoparticles for multicomponent reactions"
2014	The Scientific World Journal (I.F 1.21)	D Sharma, BS Kaith, J Rajput, "Single Step In Situ Synthesis and Optical Properties of Polyaniline/ZnO Nanocomposites"
2014	Tetrahedron Letters(I.F 2.12), 55 (6), 1136-1140,	G Kaur, JK Rajput, P Arora, N Devi, "Keggin-type Bronsteddodecatungstophosphoric acid: a quasi homogenous and reusable catalyst system for liquid phase Beckmann rearrangement"
2013	Res. J. Chem. Sci, 3, 59-64,	JK Rajput, G Kaur, "Silicotungstic Acid in Organic Synthesis: Synthesis of 1, 5-Benzodiazepines and ?-Amino Carbonyl Compounds"
2013	Asian Journal of Chemistry(I.F 0.14), 25 (12), 6545	JK Rajput, G Kaur, "Bi(NO3)3.5H2O: An Efficient and Green Catalyst for Synthesis of 1, 5-Benzodiazepines and b-Amino Carbonyl Compounds"
2013	Chinese Journal of Catalysis(I.F 2.67), 34 (9), 1697-1704	JK Rajput, G Kaur, "CoFe2O4 nanoparticles: An efficient heterogeneous magnetically separable catalyst for “click” synthesis of arylidenebarbituric acid derivatives at room temperature"

Conference Publications :

Year	Conference	Publication
2018	Advances in Chmeical Science and Technology, NIT, Jalandhar	Jaspreet Kaur Rajput, Harminder Singh, "Fe3O4@CS-GT@Co(II) NPs: A novel magnetically separable catalyst for one-pot synthesis multisubstitutedimidazoles"
2018	CHEMCON-2018 (International Conference), NIT, Jalandhar	Jaspreet Kaur Rajput, Harminder Singh, "One-pot synthesis of polyhydroquinoline assisted by sucrose chelated BiFeO3 nanoparticles"

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
	Sustainable Catalysis	Wiley	H. Singh, Jaspreet Kaur Rajput, "Encyclopedia of Physical Organic Chemistry"	Volume 6, pp.3773-3812	2016