

Sahid Hussain

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,720
citations

304368

22
h-index

288905

40
g-index

65
all docs

65
docs citations

65
times ranked

2058
citing authors

#	ARTICLE	IF	CITATIONS
1	Boric acid: a novel and safe catalyst for aza-Michael reactions in water. <i>Tetrahedron Letters</i> , 2005, 46, 8329-8331.	0.7	148
2	Efficient and highly selective adsorption of cationic dyes and removal of ciprofloxacin antibiotic by surface modified nickel sulfide nanomaterials: Kinetics, isotherm and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124264.	2.3	122
3	Synthesis of Tunable Band Gap Semiconductor Nickel Sulphide Nanoparticles: Rapid and Round the Clock Degradation of Organic Dyes. <i>Scientific Reports</i> , 2016, 6, 26034.	1.6	109
4	Cu(acac) ₂ Immobilized in Ionic Liquids: A Recoverable and Reusable Catalytic System for Aza-Michael Reactions. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 763-766.	2.1	90
5	Under dark and visible light: fast degradation of methylene blue in the presence of Ag@In@Ni@S nanocomposites. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15616-15625.	5.2	88
6	Superadsorbent Ni@Co@S/SDS Nanocomposites for Ultrahigh Removal of Cationic, Anionic Organic Dyes and Toxic Metal Ions: Kinetics, Isotherm and Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4165-4176.	3.2	88
7	Selective removal of anionic dyes with exceptionally high adsorption capacity and removal of dichromate (Cr ₂ O ₇ ²⁻) anion using Ni-Co-S/CTAB nanocomposites and its adsorption mechanism. <i>Journal of Hazardous Materials</i> , 2020, 385, 121602.	6.5	79
8	One-Pot Fabrication of High-Quality InP/ZnS (Core/Shell) Quantum Dots and Their Application to Cellular Imaging. <i>ChemPhysChem</i> , 2009, 10, 1466-1470.	1.0	78
9	Borax-Catalyzed and pH-Controlled Selective Oxidation of Organic Sulfides by H ₂ O ₂ : An Environmentally Clean Protocol. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3319-3322.	1.2	61
10	VO ₂ F(dmpz) ₂ : a new catalyst for selective oxidation of organic sulfides to sulfoxides with H ₂ O ₂ . <i>Tetrahedron Letters</i> , 2012, 53, 6512-6515.	0.7	58
11	Activated carbon loaded with Ni-Co-S nanoparticle for superior adsorption capacity of antibiotics and dye from wastewater: Kinetics and isotherms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125868.	2.3	58
12	Boric acid catalyzed thia-Michael reactions in water or alcohols. <i>Journal of Molecular Catalysis A</i> , 2007, 269, 214-217.	4.8	56
13	Phase Tuned Originated Dual Properties of Cobalt Sulfide Nanostructures as Photocatalyst and Adsorbent for Removal of Dye Pollutants. <i>ACS Applied Nano Materials</i> , 2018, 1, 3474-3485.	2.4	50
14	Borax as an Efficient Metal-Free Catalyst for Hetero-Michael Reactions in an Aqueous Medium. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 374-378.	1.2	48
15	Multicomponent domino reactions: borax catalyzed synthesis of highly functionalised pyran-annulated heterocycles. <i>RSC Advances</i> , 2013, 3, 21517.	1.7	34
16	Synthesis and characterization of maghemite nanocrystals decorated multi-wall carbon nanotubes for methylene blue dye removal. <i>Journal of Materials Science</i> , 2019, 54, 200-216.	1.7	32
17	Borax catalyzed domino reactions: synthesis of highly functionalised pyridines, dienes, anilines and dihydropyrano[3,2-c]chromenes. <i>RSC Advances</i> , 2014, 4, 29750-29758.	1.7	30
18	Base free synthesis of iron oxide supported on boron nitride for the construction of highly functionalized pyrans and spirooxindoles. <i>RSC Advances</i> , 2016, 6, 5491-5502.	1.7	30

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19	Al(H ₂ PO ₄) ₃ : An efficient catalyst for nitration of organic compounds with nitric acid. <i>Catalysis Communications</i> , 2008, 9, 919-923.	1.6	29
20	Synthesis of mixed phase crystalline CoNi ₂ S ₄ nanomaterial and selective mechanism for adsorption of Congo red from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106554.	3.3	28
21	Barbier coupling in water: SnCl ₂ -mediated and Co(acac) ₂ -catalyzed allylation of carbonyls. <i>Tetrahedron Letters</i> , 2005, 46, 6247-6251.	0.7	25
22	An efficient synthesis of quinolines under solvent-free conditions. <i>Journal of Chemical Sciences</i> , 2006, 118, 199-202.	0.7	23
23	Acid phosphate-impregnated titania-catalyzed nitration of aromatic compounds with nitric acid. <i>Applied Catalysis A: General</i> , 2008, 343, 62-67.	2.2	23
24	Surface-Charge-Controlled Synthesis of ZnIn ₂ S ₄ Nanosheet-Based Materials for Selective Adsorption of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2021, 4, 4114-4128.	2.4	22
25	A Facile and Green Approach for One-Pot Synthesis of Functionalized Chromeno[3,4-b]quinolines and Spiro Chromeno[3,4-b]quinolines by Using Molecular Iodine as a Catalyst. <i>ChemistrySelect</i> , 2018, 3, 2261-2266.	0.7	19
26	Borax Catalysed Domino Synthesis of Highly Functionalised Spirooxindole and Chromenopyridine Derivatives: X-Ray Structure, Hirshfeld Surface Analysis and Molecular Docking Studies. <i>ChemistrySelect</i> , 2018, 3, 8669-8677.	0.7	19
27	A quantum dot-MUC1 aptamer conjugate for targeted delivery of protoporphyrin IX and specific photokilling of cancer cells through ROS generation. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 1040-1048.	0.6	17
28	A disc-like Co ₇ cluster with a solvent dependent catecholase activity. <i>New Journal of Chemistry</i> , 2017, 41, 14057-14061.	1.4	17
29	A Small Insulinomimetic Molecule Also Improves Insulin Sensitivity in Diabetic Mice. <i>PLoS ONE</i> , 2017, 12, e0169809.	1.1	16
30	Energetically significant anti-parallel π -stacking and unconventional anion- π interactions in phenanthroline based Ni(II) and Cu(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2021, 516, 120082.	1.2	16
31	Controlled surface functionalization of Ni-S nanostructures for pH-responsive selective and superior pollutants adsorption. <i>Journal of Hazardous Materials</i> , 2021, 415, 125750.	6.5	15
32	Chemoselective sulfoxidation by H ₂ O ₂ or HNO ₃ using a phosphate impregnated titania catalyst. <i>Tetrahedron Letters</i> , 2009, 50, 3767-3771.	0.7	14
33	Biologically relevant unusual cooperative assemblies and fascinating infinite crown-like supramolecular nitrate-water hosts involving guest complex cations in bipyridine and phenanthroline-based Cu(II) coordination compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 8269-8282.	1.4	14
34	Microwave-assisted synthesis of 3-aminoarylquinolines from 2-nitrobenzaldehyde and indole via SnCl ₂ -mediated reduction and facile indole ring opening. <i>Tetrahedron Letters</i> , 2019, 60, 1221-1225.	0.7	13
35	Energetically significant nitrile- π and unconventional C-H \cdots N interactions in pyridine based Ni(II) and Zn(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021, 1223, 129246.	1.8	13
36	Dichlorido(N,N-diethyl-4-[[[(quinolin-2-yl)methylidene]amino- ¹⁸ N,N ²]aniline)mercury(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m197-m197.	0.2	12

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37	Photoinduced oxygen prompted iron-iron oxide catalyzed clock reaction: a mimic of the blue bottle experiment. <i>New Journal of Chemistry</i> , 2017, 41, 6420-6426.	1.4	12
38	The facile soft-template-morphology-controlled (STMC) synthesis of ZnIn ₂ S ₄ nanostructures and their excellent morphology-dependent adsorption properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1986-2000.	5.2	12
39	Intermolecular hydrogen bonded and self-assembled β -pleated sheet structures of β -sulfidocarbonyls. <i>Journal of Molecular Structure</i> , 2007, 837, 190-196.	1.8	11
40	DNA mediated assembly of quantum dot-protoporphyrin IX FRET probes and the effect of FRET efficiency on ROS generation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5973-5981.	1.3	11
41	Multi-wall Carbon Nanotubes Decorated with Bismuth Oxide Nanocrystals Using Infrared Irradiation and Diazonium Chemistry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1402-1413.	1.9	10
42	Soft template mediated synthesis of Bi-In-Zn-S and its efficient visible-light-driven decomposition of methylene blue. <i>RSC Advances</i> , 2015, 5, 41941-41948.	1.7	9
43	Differently substituted aniline functionalized MWCNTs to anchor oxides of Bi and Ni nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 299-314.	5.3	9
44	Supramolecular assemblies involving biologically relevant antiparallel π -stacking and unconventional solvent driven structural topology in maleato and fumarato bridged Zn(<i>scp</i>) coordination polymers: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 13040-13055.	1.4	9
45	3,5-Dimethylpyrazolium Fluorochromate(VI)-Catalysed Oxidation of Organic Substrates by Hydrogen Peroxide under Solvent-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1349-1352.	2.1	7
46	Simultaneous formation of CuO nanoflowers and semi-spherical nanoparticles onto MWCNT surface. <i>Emergent Materials</i> , 2021, 4, 403-411.	3.2	7
47	THE SELECTIVE SOLID-PHASE OXIDATION OF ALCOHOLS AND OTHER ORGANIC SUBSTRATES BY 3,5-DIMETHYLPYRAZOLIUM FLUOROCHROMATE. <i>Organic Preparations and Procedures International</i> , 2006, 38, 331-336.	0.6	6
48	Melamine-DNA encoded periodicity of quantum dot arrays. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 45-49.	5.0	4
49	One-Pot, Borax-mediated synthesis of structurally diverse N, S-heterocycles in water. <i>Tetrahedron Letters</i> , 2021, 74, 153159.	0.7	4
50	An Expedient Synthesis of β -Acetamido- and β -Benzamidocarbonyl Compounds via KAl(SO ₄) ₂ ·12H ₂ O-catalyzed Three-component Coupling Reaction. <i>Organic Preparations and Procedures International</i> , 2013, 45, 494-503.	0.6	3
51	Spectrophotometric investigation of 5-nitroso-6-aminouracil and its methyl derivative in methanol by selective complexation with bivalent metal ions. <i>Journal of Molecular Structure</i> , 2020, 1221, 128827.	1.8	3
52	Lanthanum Hydroxide Nanoparticles/Multi-Wall Carbon Nanotubes Nanocomposites. <i>Springer Proceedings in Materials</i> , 2020, , 25-34.	0.1	3
53	Efficient nanoplasmonic antennas for fabricating single protein molecule detector. , 2015, , .		2
54	TEMPO-mediated aerobic oxidative synthesis of 2-aryl benzoxazoles via ring-opening of benzoxazoles with benzylamines. <i>Synthetic Communications</i> , 2021, 51, 2684-2694.	1.1	2

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55	LUDOX HS-40 Catalyzed Pot, Atom and Step Economic (PASE) Synthesis of Pyran Annulated Heterocyclic Scaffolds. Polycyclic Aromatic Compounds, 2022, 42, 3724-3735.	1.4	1
56	Boron Nitride: An Efficient Reusable Heterogeneous Catalyst for Hetero- Michael Reactions Under Solvent-Free Condition. Current Catalysis, 2013, 2, 88-95.	0.5	1
57	Barbier Coupling in Water: SnCl ₂ -Mediated and Co(acac) ₂ -Catalyzed Allylation of Carbonyls.. ChemInform, 2005, 36, no.	0.1	0
58	Methylene Blue Dye Removal Through Adsorption Onto Amorphous BaO Nanoparticles Decorated MWCNTs. Materials Horizons, 2021, , 231-240.	0.3	0