Sushil Kumar

List of Publications by Year
in descending order

63	2,399	304743 22	214800 47
papers	citations	h-index	g-index

68	68	68	3181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. Journal of the American Chemical Society, 2017, 139, 1856-1862.	13.7	432
2	Zinc ion interactions in a two-dimensional covalent organic framework based aqueous zinc ion battery. Chemical Science, 2019, 10, 8889-8894.	7.4	220
3	Recognition of bacterial infection by innate immune sensors. Critical Reviews in Microbiology, 2013, 39, 229-246.	6.1	163
4	Notch ligand Dll1 mediates cross-talk between mammary stem cells and the macrophageal niche. Science, 2018, 360, .	12.6	144
5	The microRNA miR-485 targets host and influenza virus transcripts to regulate antiviral immunity and restrict viral replication. Science Signaling, 2015, 8, ra126.	3.6	138
6	Porosity Prediction through Hydrogen Bonding in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 5138-5145.	13.7	118
7	Î”Np63-driven recruitment of myeloid-derived suppressor cells promotes metastasis in triple-negative breast cancer. Journal of Clinical Investigation, 2018, 128, 5095-5109.	8.2	102
8	Turn-On Fluorescent Sensors for the Selective Detection of Al³⁺ (and Ga³⁺) and PPi Ions. Inorganic Chemistry, 2019, 58, 10364-10376.	4.0	86
9	Pore engineering of ultrathin covalent organic framework membranes for organic solvent nanofiltration and molecular sieving. Chemical Science, 2020, 11, 5434-5440.	7.4	78
10	Loss of ELF5â€“FBXW7 stabilizes IFNGR1 to promote the growth and metastasis of triple-negative breast cancer through interferon-Î³ signalling. Nature Cell Biology, 2020, 22, 591-602.	10.3	67
11	Estrogen-dependent DLL1-mediated Notch signaling promotes luminal breast cancer. Oncogene, 2019, 38, 2092-2107.	5.9	66
12	Size-Selective Detection of Picric Acid by Fluorescent Palladium Macrocycles. Inorganic Chemistry, 2018, 57, 1693-1697.	4.0	44
13	The role of TLR9 polymorphism in susceptibility to pulmonary tuberculosis. Immunogenetics, 2014, 66, 675-681.	2.4	43
14	MicroRNA hsa-miR-324-5p Suppresses H5N1 Virus Replication by Targeting the Viral PB1 and Host CUEDC2. Journal of Virology, 2018, 92, .	3.4	42
15	Palladium-Catalyzed Regioselective [3 + 2] Annulation of Internal Alkynes and Iodo-pyranoquinolines with Concomitant Ring Opening. Organic Letters, 2012, 14, 5184-5187.	4.6	39
16	Synthesis of covalent organic frameworks using sustainable solvents and machine learning. Green Chemistry, 2021, 23, 8932-8939.	9.0	39
17	Dll1+ quiescent tumor stem cells drive chemoresistance in breast cancer through NF-Î²B survival pathway. Nature Communications, 2021, 12, 432.	12.8	38
18	Organoselenium ligands for heterogeneous and nanocatalytic systems: development and applications. Dalton Transactions, 2021, 50, 8628-8656.	3.3	38

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19	Organochalcogen ligands in catalysis of oxidation of alcohols and transfer hydrogenation. Dalton Transactions, 2020, 49, 12503-12529.	3.3	29
20	Ultra-small palladium nano-particles synthesized using bulky S/Se and N donor ligands as a stabilizer: application as catalysts for Suzukiâ€“Miyaura coupling. RSC Advances, 2019, 9, 22313-22319.	3.6	26
21	Bidentate organochalcogen ligands (N, E; Eâ€¯=â€¯S/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzukiâ€“Miyaura coupling reactions. Polyhedron, 2019, 171, 120-127.	2.2	25
22	Catalytically active nanosized Pd₉Te₄(telluropalladinite) and PdTe (kotulskite) alloys: first precursor-architecture controlled synthesis using palladium complexes of organotellurium compounds as single source precursors. RSC Advances, 2021, 11, 7214-7224.	3.6	25
23	Norbornane-based covalent organic frameworks for gas separation. Nanoscale, 2022, 14, 2475-2481.	5.6	24
24	Rapid fabrication of fluorinated covalent organic polymer membranes for organic solvent nanofiltration. Journal of Membrane Science, 2022, 648, 120345.	8.2	24
25	Pd(<scp>ii</scp>) complexes with amide-based macrocycles: syntheses, properties and applications in cross-coupling reactions. New Journal of Chemistry, 2015, 39, 2042-2051.	2.8	22
26	Cu(II)-catalyzed tandem synthesis of 2-imino[1,3]benzothiazines from 2-aminoaryl acrylates via thioamidation and concomitant chemoselective thia-Michael addition. Tetrahedron Letters, 2015, 56, 677-681.	1.4	22
27	Recognition, mechanistic investigation and applications for the detection of biorelevant Cu²⁺/Fe²⁺/Fe³⁺ions by ruthenium(<scp>ii</scp>)-polypyridyl based fluorescent sensors. Dalton Transactions, 2021, 50, 2705-2721.	3.3	22
28	Interplaying anions in a supramolecular metallohydrogel to form metal organic frameworks. Chemical Communications, 2017, 53, 3705-3708.	4.1	20
29	Nickel and copper complexes with few amide-based macrocyclic and open-chain ligands. Inorganica Chimica Acta, 2011, 377, 144-154.	2.4	19
30	Copper ion luminescence on/off sensing by a quinoline-appended ruthenium(II)-polypyridyl complex in aqueous media. Journal of Molecular Structure, 2020, 1202, 127242.	3.6	19
31	Numerical simulation of novel designed perovskite/silicon heterojunction solar cell. Optical Materials, 2022, 123, 111847.	3.6	19
32	Easily synthesizable benzothiazole based designers palladium complexes for catalysis of Suzuki coupling: Controlling effect of aryl substituent of ligand on role and composition of insitu generated binary nanomaterial (PdS or Pd16S7). Catalysis Communications, 2021, 149, 106242.	3.3	18
33	Regioselective 5â€endoâ€dig Electrophilic Iodocyclization of Enediynes: A Convenient Route to Iodoâ€substituted Indenes and Cyclopentaâ€Fused Arenes. Chemistry - an Asian Journal, 2016, 11, 3001-3007.	3.3	16
34	Nickel and Copper Complexes of Pyrrolecarboxamide Ligands â€“ Stabilization of M³⁺ Species and Isolation of Ni³⁺ Complexes. European Journal of Inorganic Chemistry, 2014, 2014, 4957-4965.	2.0	15
35	Cobalt complexes of pyrrolecarboxamide ligands as catalysts in nitro reduction reactions: influence of electronic substituents on catalysis and mechanistic insights. Inorganic Chemistry Frontiers, 2017, 4, 324-335.	6.0	15
36	Cobalt Complexes Catalyze Reduction of Nitro Compounds: Mechanistic Studies. ChemistrySelect, 2017, 2, 8197-8206.	1.5	14

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37	Au(III)-catalyzed regio- and stereoselective tandem synthesis of oxazolo fused naphthyridines and isoquinolines from o-alkynylaldehydes. Tetrahedron Letters, 2014, 55, 610-615.	1.4	12
38	Functionalization of graphene oxide with a hybrid P, N ligand for immobilizing and stabilizing economical and non-toxic nanosized CuO: an efficient, robust and reusable catalyst for the Câ€“O coupling reaction inO-arylation of phenol. New Journal of Chemistry, 2022, 46, 3578-3587.	2.8	12
39	Low prevalence of CCR5-Î”32, CCR2-64I and SDF1-3â€²A alleles in the Baiga and Gond tribes of Central India. SpringerPlus, 2015, 4, 451.	1.2	10
40	Manganese Complexes of Pyrroleâ€•and ÂIndolecarboxamide Ligands: Synthesis, Structure, Electrochemistry, and Applications in Oxidative and Lewisâ€Acidâ€ÂAssisted Catalysis. European Journal of Inorganic Chemistry, 2015, 2015, 5534-5544.	2.0	9
41	Endogenous and Exogenous Ligandâ€Dependent Formation of a Superoxideâ€Bridged Dicobalt(III) Complex and Mononuclear Co^{III} Complexes with Amideâ€Based Macrocyclic Ligands. European Journal of Inorganic Chemistry, 2014, 2014, 5567-5576.	2.0	8
42	Extraction and Analysis of Recovered Silver and Silicon from Laboratory Grade Waste Solar Cells. Silicon, 2022, 14, 9635-9642.	3.3	8
43	Expedient Access to Polyaromatic Biaryls by Unconventional Ag-Catalyzed Cycloaromatization of Alkynylthiophenes and Au-Catalyzed Double Câ€“H Activation. Organic Letters, 0, , .	4.6	8
44	Synthesis and Properties of Dinuclear Î¼â€Oxodiiron(III) Complexes of Amideâ€Based Macrocyclic Ligands. European Journal of Inorganic Chemistry, 2012, 2012, 5525-5533.	2.0	7
45	Inducible knockout of â^†Np63 alters cell polarity and metabolism during pubertal mammary gland development. FEBS Letters, 2020, 594, 973-985.	2.8	7
46	Estrogen Receptor Î²-Mediated Inhibition of Actin-Based Cell Migration Suppresses Metastasis of Inflammatory Breast Cancer. Cancer Research, 2021, 81, 2399-2414.	0.9	7
47	Developing a simple and water soluble thiophene-functionalized Ru(II)-polypyridyl complex for ferric ion detection. Inorganic Chemistry Communication, 2019, 107, 107500.	3.9	6
48	Efficient trifluoromethylation of C(sp²)â€“H functionalized Î±-oxoketene dithioacetals: a route to the regioselective synthesis of functionalized trifluoromethylated pyrazoles. RSC Advances, 2017, 7, 10150-10153.	3.6	5
49	Numerical Simulation for Optimization of Ultra-thin n-type AZO and TiO2 Based Textured p-type c-Si Heterojunction Solar Cells. Silicon, 2022, 14, 4291-4299.	3.3	5
50	TiO2 Nanoparticles and Nb2O5 Nanorods Immobilized rGO for Efficient Visible-Light Photocatalysis and Catalytic Reduction. Catalysis Letters, 2023, 153, 605-621.	2.6	5
51	Bioinspired Heterobimetallic Photocatalyst (Ru^{II}_{chrom}â^'Fe^{III}_{cat}) for Visible-Light-Driven Câ€“H Oxidation of Organic Substrates via Dioxygen Activation. Inorganic Chemistry, 2021, 60, 16059-16064.	4.0	4
52	Room temperature crystal structure and high temperature structural and magnetic phase transitions in Sr(Fe0.5Nb0.5)O3 ceramic. Journal of Applied Physics, 2019, 125, 174102.	2.5	3
53	Palladium complex of sulphated schiff base with ortho-vanillin as catalyst for O-arylation of phenol. Materials Today: Proceedings, 2022, 48, 1553-1558.	1.8	3
54	Electronic and Infrared Spectroscopic Studies of Aggregation of Cholesterol. Spectroscopy Letters, 2007, 40, 583-590.	1.0	2

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55	N,Nâ€²â€Dialkylâ€4â€Arylâ€3,4â€Dihydropyrimidinones and Thiones: Ceric Ammonium Nitrate Catalyzed Synthesis and Molecular Structure Determination by Xâ€ray Crystallography. Journal of Heterocyclic Chemistry, 2017, 54, 1486-1491.	2.6	2
56	Room temperature synthesis of an Fe(<scp>ii</scp>)-based porous MOF with multiple open metal sites for high gas adsorption properties. New Journal of Chemistry, 2019, 43, 4338-4341.	2.8	2
57	Recent progress on synthetic and protein-based genetically encoded sensors for fluorimetric Cu(<scp>i</scp>) recognition: binding and reaction-based approaches. Sensors & Diagnostics, 2022, 1, 429-448.	3.8	2
58	Biorenewable Nanocomposite Materials in Membrane Separations. ACS Symposium Series, 0, , 189-235.	0.5	1
59	Friction and Adhesive Wear Study of HVOF Sprayed Niâ€“WCâ€“Co-Based Powder Coating. Powder Metallurgy and Metal Ceramics, 2018, 57, 329-335.	0.8	0
60	Room temperature crystal structure and low temperature scaling behavior of 0.70BiFeO3-0.30Sr(Fe0.5Nb0.5)O3 ceramic. AIP Conference Proceedings, 2019, , .	0.4	0
61	Investigation of new magnetoelastic and magnetic transitions accompanied with magnetoelectric coupling in $oldsymbol {{m 0.1BiFeO_{3}{{m mbox{–}}}0.9Sr(Fe_{0.5}Nb_{0.5})O_{3}}}$ multiferroic. Journal of Physics Condensed Matter, 2020, 32, 105401.	1.8	0
62	12 Green polymers and green building blocks. , 2021, , 222-262.		0
63	Boron Induced Crystallization of Silicon on Glass: an Alternate Way to Crystallize Amorphous Silicon Films for Solar Cells. Silicon, 2022, 14, 10459-10466.	3.3	0