

# Sanjay Kumar

## List of Publications by Year in descending order

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27  
papers

592  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring the Magnetic and Optical Characteristics of Nanocrystalline $\text{BiFeO}_3$ by $\text{Ce}$ Doping. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1985-1992.	3.8	108
2	Magnetization Enhancement of $\text{Fe}_3\text{O}_4$ by Attaching onto Graphene Oxide: An Interfacial Effect. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21356-21365.	3.1	67
3	Simultaneous Presence of Both Open Metal Sites and Free Functional Organic Sites in a Noncentrosymmetric Dynamic Metal-Organic Framework with Bimodal Catalytic and Sensing Activities. <i>Chemistry - A European Journal</i> , 2013, 19, 16607-16614.	3.3	48
4	Synthesis, crystal structure, DNA interaction and in vitro anticancer activity of a $\text{Cu}(\text{II})$ complex of purpurin: dual poison for human DNA topoisomerase I and II. <i>RSC Advances</i> , 2014, 4, 59344-59357.	3.6	41
5	A Multifunctional Porous Organic Schottky Barrier Diode. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12534-12537.	13.8	37
6	Albumin matrix assisted wet chemical synthesis of nanocrystalline $\text{MFe}_2\text{O}_4$ (M = Cu, Co and Zn) ferrites for visible light driven degradation of methylene blue by hydrogen peroxide. <i>RSC Advances</i> , 2016, 6, 58125-58136.	3.6	36
7	Multifunctional Reduced Graphene Oxide Wrapped Circular Au Nanoplatelets: Enhanced Photoluminescence, Excellent Surface-Enhanced Raman Scattering, Photocatalytic Water Splitting, and Non-Enzymatic Biosensor. <i>ACS Applied Nano Materials</i> , 2018, 1, 3945-3955.	5.0	27
8	Tetrabromoterephthalic Acid in Designing Co-crystals and Salts: Modification of Optical Properties and Schottky Barrier Effect. <i>Crystal Growth and Design</i> , 2014, 14, 207-221.	3.0	23
9	$\{[\text{Co}_2(\text{ndc})_2(\text{bpee})_2](\text{bpee})\}$ : a 3D multifunctional MOF. <i>CrystEngComm</i> , 2012, 14, 4980.	2.6	21
10	$\text{Cu}(\text{II})$ complex of emodin with improved anticancer activity as demonstrated by its performance on HeLa and Hep G2 cells. <i>RSC Advances</i> , 2017, 7, 41403-41418.	3.6	18
11	Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation. <i>Crystal Growth and Design</i> , 2013, 13, 2135-2142.	3.0	17
12	Electrical properties of $\text{Ba}_2\text{YbNbO}_6$ : an impedance spectroscopy study. <i>Physica Scripta</i> , 2013, 88, 065702.	2.5	17
13	A pharmaceutical cocrystal with potential anticancer activity. <i>RSC Advances</i> , 2014, 4, 49070-49078.	3.6	17
14	Synthesis, crystal structure from PXRD of a $\text{Mn}(\text{II})$ (purp) $_2$ complex, interaction with DNA at different temperatures and pH and lack of stimulated ROS formation by the complex. <i>RSC Advances</i> , 2016, 6, 51520-51532.	3.6	17
15	A new multicomponent salt of imidazole and tetrabromoterephthalic acid: Structural, optical, thermal, electrical transport properties and antibacterial activity along with Hirshfeld surface analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 43-52.	3.9	13
16	A Metal-Organic Framework to $\text{CuO}$ Nanospheres of Uniform Morphology for the Synthesis of $\beta$ -Aminonitriles under Solvent-Free Condition along with Crystal Structure of the Framework. <i>Crystal Growth and Design</i> , 2018, 18, 189-199.	3.0	13
17	A magnesium-based bifunctional MOF: Studies on proton conductivity, gas and water adsorption. <i>Inorganica Chimica Acta</i> , 2016, 453, 321-329.	2.4	12
18	Co-crystals of 2,3-Dimethylquinoxaline (DMQ) and Dimethylglyoxime (DMG) in 1:1 and 1:2 Ratios and Hirshfeld Surface Analysis. <i>Journal of Chemical Crystallography</i> , 2013, 43, 493-501.	1.1	10

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19	An unusual $\frac{1}{4}$ -1,2,3-squarato-bridged two dimensional coordination polymer: Crystal structure, thermal, photoluminescence and magnetic studies. <i>Inorganica Chimica Acta</i> , 2014, 410, 111-117.	2.4	9
20	Magnetic, Pseudocapacitive, and $\text{H}_2\text{O}_2$ -Electrosensing Properties of Self-Assembled Superparamagnetic $\text{Co}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$ with Enhanced Saturation Magnetization. <i>ACS Omega</i> , 2019, 4, 12632-12646.	3.5	6
21	Synergistic effect of various intermolecular interactions on self-assembly and optoelectronic behaviour in co-crystals/salts of tetrabromoterephthalic acid: a report on their structure, theoretical study and Hirshfeld surface analysis. <i>CrystEngComm</i> , 2020, 22, 8197-8207.	2.6	5
22	A $\text{Zn}^{\text{II}}$ complex of ornidazole with decreased nitro radical anions that is still highly active on <i>Entamoeba histolytica</i> . <i>RSC Advances</i> , 2020, 10, 23286-23296.	3.6	5
23	Selective Metal-Ligand Bond-Breaking Driven by Weak Intermolecular Interactions: From Metamagnetic Mn(III)-Monomer to Hexacyanoferrate(II)-Bridged Metamagnetic $\text{Mn}_2\text{Fe}$ Trimer. <i>Inorganic Chemistry</i> , 2020, 59, 8487-8497.	4.0	5
24	Photo-responsive Schottky diode behavior of a donor-acceptor co-crystal with violet blue light emission. <i>CrystEngComm</i> , 2021, 23, 3510-3523.	2.6	5
25	2D Ferromagnetic sheet of antiferromagnetic trimeric metal cores. <i>Polyhedron</i> , 2013, 53, 258-263.	2.2	3
26	Thermally induced single crystal to single crystal transformation leading to polymorphism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 526-533.	3.9	2
27	Structural, optical, dielectric and electrical transport properties of a $[\text{Mg}(\text{H}_2\text{O})_6]^{2+}$ -templated proton conducting, semiconducting and photoresponsive 3D hydrogen bonded supramolecular framework. <i>New Journal of Chemistry</i> , 0, , .	2.8	1