

# Rohit Saraf

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,014  
citations

471509

17  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	White luminescence in Dy <sup>3+</sup> doped BiOCl phosphors and their Judd-Ofelt analysis. <i>Dyes and Pigments</i> , 2016, 126, 154-164.	3.7	115
2	Ag-doped hydroxyapatite as efficient adsorbent for removal of Congo red dye from aqueous solution: Synthesis, kinetic and equilibrium adsorption isotherm analysis. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 134-144.	4.4	109
3	Photoluminescence, photocatalysis and Judd-Ofelt analysis of Eu <sup>3+</sup> -activated layered BiOCl phosphors. <i>RSC Advances</i> , 2015, 5, 4109-4120.	3.6	85
4	Synthesis of Eu <sup>3+</sup> -activated BiOF and BiOBr phosphors: photoluminescence, Judd-Ofelt analysis and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 9241-9254.	3.6	79
5	Eu <sup>3+</sup> -activated SrMoO <sub>4</sub> phosphors for white LEDs applications: Synthesis and structural characterization. <i>Optical Materials</i> , 2015, 42, 178-186.	3.6	71
6	Photoluminescence properties of Eu <sup>3+</sup> -activated CaMoO <sub>4</sub> phosphors for WLEDs applications and its Judd-Ofelt analysis. <i>Journal of Materials Science</i> , 2015, 50, 287-298.	3.7	70
7	Self-Powered Photodetector Based on Electric-Field-Induced Effects in MAPbI <sub>3</sub> Perovskite with Improved Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21066-21072.	8.0	68
8	Synthesis of Eu <sup>3+</sup> -activated BaMoO <sub>4</sub> phosphors and their Judd-Ofelt analysis: Applications in lasers and white LEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 141-148.	3.9	60
9	A Light Harvesting, Self-Powered Monolith Tactile Sensor Based on Electric Field Induced Effects in MAPbI <sub>3</sub> Perovskite. <i>Advanced Materials</i> , 2018, 30, 1705778.	21.0	51
10	Structure and Catalytic Activity of Cr-Doped BaTiO <sub>3</sub> Nanocatalysts Synthesized by Conventional Oxalate and Microwave Assisted Hydrothermal Methods. <i>Inorganic Chemistry</i> , 2016, 55, 4795-4805.	4.0	49
11	Synthesis of Eu <sup>3+</sup> -activated ZnO superstructures: Photoluminescence, Judd-Ofelt analysis and Sunlight photocatalytic properties. <i>Journal of Molecular Catalysis A</i> , 2015, 409, 26-41.	4.8	42
12	Red-emitting LaOF:Eu <sup>3+</sup> phosphors: Synthesis, structure and their Judd-Ofelt analysis for LED applications. <i>Materials Research Bulletin</i> , 2016, 75, 100-109.	5.2	37
13	Comparative study of Eu <sup>3+</sup> -activated LnOCl (Ln=La and Gd) phosphors and their Judd-Ofelt analysis. <i>Journal of Rare Earths</i> , 2015, 33, 946-953.	4.8	31
14	PbI <sub>2</sub> Initiated Cross-Linking and Integration of a Polymer Matrix with Perovskite Films: 1000 h Operational Devices under Ambient Humidity and Atmosphere and with Direct Solar Illumination. <i>ACS Applied Energy Materials</i> , 2019, 2, 2214-2222.	5.1	28
15	Polymer-Controlled Growth and Wrapping of Perovskite Single Crystals Leading to Better Device Stability and Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25011-25019.	8.0	23
16	Structural Studies of Multifunctional SrTiO <sub>3</sub> Nanocatalyst Synthesized by Microwave and Oxalate Methods: Its Catalytic Application for Condensation, Hydrogenation, and Amination Reactions. <i>ACS Omega</i> , 2018, 3, 10503-10512.	3.5	21
17	Effect of the nature of a transition metal dopant in BaTiO <sub>3</sub> perovskite on the catalytic reduction of nitrobenzene. <i>RSC Advances</i> , 2015, 5, 45965-45973.	3.6	18
18	Photoluminescence and photocatalytic properties of Eu <sup>3+</sup> -doped ZnO nanoparticles synthesized by the nitrate-citrate gel combustion method. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	17

#	ARTICLE	IF	CITATIONS
19	Bio-inspired interlocking random 3-D structures for tactile and thermal sensing. Scientific Reports, 2017, 7, 5834.	3.3	12
20	Porous perovskite films integrated with Au-Pt nanowire-based electrodes for highly flexible large-area photodetectors. Npj Flexible Electronics, 2020, 4, .	10.7	12
21	Modulation of mechanical properties and stable light energy harvesting by poling in polymer integrated perovskite films: a wide range, linear and highly sensitive tactile sensor. Journal of Materials Chemistry A, 2019, 7, 14192-14198.	10.3	11
22	Intrinsic-polarization origin of photoconductivity in MAPbI <sub>3</sub> thin films. Applied Physics Letters, 2021, 118, .	3.3	4
23	Perovskites for tactile sensors. , 2021, , 141-158.		1