

Rohit Saraf

List of Publications by Year in descending order

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23
papers

1,014
citations

471509

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677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskites for tactile sensors. , 2021, , 141-158.		1
2	Intrinsic-polarization origin of photoconductivity in MAPbI ₃ thin films. Applied Physics Letters, 2021, 118, .	3.3	4
3	Porous perovskite films integrated with Au-Pt nanowire-based electrodes for highly flexible large-area photodetectors. Npj Flexible Electronics, 2020, 4, .	10.7	12
4	Polymer-Controlled Growth and Wrapping of Perovskite Single Crystals Leading to Better Device Stability and Performance. ACS Applied Materials & Interfaces, 2020, 12, 25011-25019.	8.0	23
5	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
6	PbI ₂ 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. ACS Applied Energy Materials, 2019, 2, 2214-2222.	5.1	28
7	A Light Harvesting, Self-Powered Monolith Tactile Sensor Based on Electric Field Induced Effects in MAPbI ₃ Perovskite. Advanced Materials, 2018, 30, 1705778.	21.0	51
8	Structural Studies of Multifunctional SrTiO ₃ Nanocatalyst Synthesized by Microwave and Oxalate Methods: Its Catalytic Application for Condensation, Hydrogenation, and Amination Reactions. ACS Omega, 2018, 3, 10503-10512.	3.5	21
9	Self-Powered Photodetector Based on Electric-Field-Induced Effects in MAPbI ₃ Perovskite with Improved Stability. ACS Applied Materials & Interfaces, 2018, 10, 21066-21072.	8.0	68
10	Photoluminescence and photocatalytic properties of Eu ³⁺ -doped ZnO nanoparticles synthesized by the nitrate-citrate gel combustion method. European Physical Journal Plus, 2017, 132, 1.	2.6	17
11	Bio-inspired interlocking random 3-D structures for tactile and thermal sensing. Scientific Reports, 2017, 7, 5834.	3.3	12
12	Structure and Catalytic Activity of Cr-Doped BaTiO ₃ Nanocatalysts Synthesized by Conventional Oxalate and Microwave Assisted Hydrothermal Methods. Inorganic Chemistry, 2016, 55, 4795-4805.	4.0	49
13	Red-emitting LaOF:Eu ³⁺ phosphors: Synthesis, structure and their Judd-Ofelt analysis for LED applications. Materials Research Bulletin, 2016, 75, 100-109.	5.2	37
14	White luminescence in Dy ³⁺ doped BiOCl phosphors and their Judd-Ofelt analysis. Dyes and Pigments, 2016, 126, 154-164.	3.7	115
15	Ag-doped hydroxyapatite as efficient adsorbent for removal of Congo red dye from aqueous solution: Synthesis, kinetic and equilibrium adsorption isotherm analysis. Microporous and Mesoporous Materials, 2016, 219, 134-144.	4.4	109
16	Synthesis of Eu ³⁺ -activated BiOF and BiOBr phosphors: photoluminescence, Judd-Ofelt analysis and photocatalytic properties. RSC Advances, 2015, 5, 9241-9254.	3.6	79
17	Synthesis of Eu ³⁺ -activated BaMoO ₄ phosphors and their Judd-Ofelt analysis: Applications in lasers and white LEDs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 141-148.	3.9	60
18	Eu ³⁺ -activated SrMoO ₄ phosphors for white LEDs applications: Synthesis and structural characterization. Optical Materials, 2015, 42, 178-186.	3.6	71

#	ARTICLE	IF	CITATIONS
19	Effect of the nature of a transition metal dopant in BaTiO ₃ perovskite on the catalytic reduction of nitrobenzene. RSC Advances, 2015, 5, 45965-45973.	3.6	18
20	Comparative study of Eu ³⁺ -activated LnOCl (Ln=La and Gd) phosphors and their Judd-Ofelt analysis. Journal of Rare Earths, 2015, 33, 946-953.	4.8	31
21	Synthesis of Eu ³⁺ -activated ZnO superstructures: Photoluminescence, Judd-Ofelt analysis and Sunlight photocatalytic properties. Journal of Molecular Catalysis A, 2015, 409, 26-41.	4.8	42
22	Photoluminescence, photocatalysis and Judd-Ofelt analysis of Eu ³⁺ -activated layered BiOCl phosphors. RSC Advances, 2015, 5, 4109-4120.	3.6	85
23	Photoluminescence properties of Eu ³⁺ -activated CaMoO ₄ phosphors for WLEDs applications and its Judd-Ofelt analysis. Journal of Materials Science, 2015, 50, 287-298.	3.7	70