

# Sunil Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3996213/publications.pdf>

Version: 2024-02-01

28  
papers

452  
citations

759233

12  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of Sm <sup>3+</sup> ions in zinc potassium fluorophosphate glasses. <i>Optical Materials</i> , 2013, 36, 242-250.	3.6	75
2	Spectroscopic properties of Er <sup>3+</sup> ions in multicomponent tellurite glasses. <i>Journal of Luminescence</i> , 2015, 159, 55-65.	3.1	66
3	Spectroscopic and dielectric studies of Sm <sup>3+</sup> ions in lithium zinc borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 376, 106-116.	3.1	65
4	Spectroscopic investigations on Eu <sup>3+</sup> ions in Li <sup>+</sup> -K <sup>+</sup> -Zn fluorotellurite glasses. <i>Optical Materials</i> , 2014, 37, 552-560.	3.6	39
5	NIR emission studies and dielectric properties of Er <sup>3+</sup> -doped multicomponent tellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 130-137.	3.9	34
6	Synthesis and structural characterization of sol-gel derived titania/poly (vinyl pyrrolidone) nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 41-46.	2.4	25
7	Sm <sup>3+</sup> -doped strontium barium borate phosphor for white light emission: Spectroscopic properties and Judd-Ofelt analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119187.	3.9	17
8	Synthesis and luminescence characterization of Sr <sub>0.5</sub> Ca <sub>0.5</sub> TiO <sub>3</sub> :Sm <sup>3+</sup> phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 419-429.	3.9	16
9	Structural, vibrational and dielectric studies of Sm <sup>3+</sup> -doped K-Mg-Al zincfluorophosphate glasses. <i>Physica B: Condensed Matter</i> , 2013, 431, 69-74.	2.7	13
10	Investigations on spectroscopic properties of Er <sup>3+</sup> -doped Li-Zn fluoroborate glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 43-48.	3.9	12
11	Sm <sup>3+</sup> -doped fluorophosphate glass: Formation of Ag nanoparticles via Ag <sup>+</sup> /K <sup>+</sup> ion exchange and their effects on optical and dielectric properties. <i>Optical Materials</i> , 2015, 39, 167-172.	3.6	12
12	Thermoluminescence of K-Mg-Al-Zn fluorophosphate glass. <i>Optical Materials</i> , 2017, 64, 302-309.	3.6	12
13	Structural and optical studies of Eu <sup>3+</sup> /nanocrystallites doped titania-zirconia hybrids. <i>Journal of Alloys and Compounds</i> , 2014, 615, 188-193.	5.5	11
14	The influence of dopants on thermoluminescence of Sr <sub>2</sub> MgSi <sub>2</sub> O <sub>7</sub> . <i>Journal of Luminescence</i> , 2019, 208, 104-107.	3.1	9
15	General features and kinetic analysis of thermoluminescence from annealed natural quartz. <i>Journal of Luminescence</i> , 2018, 197, 406-411.	3.1	6
16	Characteristics of the thermoluminescence of Sm <sup>3+</sup> -doped P <sub>2</sub> O <sub>5</sub> -K <sub>2</sub> O-MgO-Al <sub>2</sub> O <sub>3</sub> -ZnF <sub>2</sub> glass. <i>Radiation Measurements</i> , 2018, 120, 83-88.	1.4	6
17	Dose response and kinetic analysis of thermoluminescence of Li-Zn fluoroborate glass. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 323-336.	1.2	5
18	Structural and dielectric studies of Eu <sup>3+</sup> /Ag nanocrystallites: SiO <sub>2</sub> -TiO <sub>2</sub> matrices. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1727-1733.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Kinetic analysis and general features of thermoluminescence of B <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-ZnF <sub>2</sub> glass. Radiation Measurements, 2017, 100, 1-8.	1.4	4
20	A study of the kinetics of a high temperature thermoluminescence peak in annealed natural quartz. Journal of Luminescence, 2018, 204, 603-608.	3.1	4
21	Optical channel waveguides written by high repetition rate femtosecond laser irradiation in Li <sup>+</sup> Zn fluoroborate glass. Journal of Optics (India), 2018, 47, 412-415.	1.7	3
22	Thermally and optically stimulated luminescence of natural red and blue corundum (Al <sub>2</sub> O <sub>3</sub> ). Journal of Luminescence, 2019, 205, 417-422.	3.1	3
23	Voltage-dependent capacitance and conductance in Se films. Indian Journal of Physics, 2021, 95, 2697-2701.	1.8	3
24	Influence of temperature on the electrical properties of selenium thin films. AIP Conference Proceedings, 2019, , .	0.4	2
25	Evidence for narrow mid-gap defect band in amorphous selenium from low-temperature anomalous electrical properties. Physica B: Condensed Matter, 2020, 586, 412139.	2.7	2
26	Spectroscopic properties of Sm <sup>3+</sup> -doped PVDF-ZrO <sub>2</sub> hybrid membrane. Materials Today: Proceedings, 2020, 25, 151-154.	1.8	2
27	Sm <sup>3+</sup> -doped PVDF-SiO <sub>2</sub> hybrid for greenish-blue light emission. Materials Today: Proceedings, 2020, 33, 1384-1388.	1.8	1
28	The effect of temperature and voltage on the current in selenium film. Materials Today: Proceedings, 2020, 33, 1333-1335.	1.8	1