

Palamandala Babu

List of Publications by Year in descending order

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19
papers

805
citations

623188

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794141

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19
all docs

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19
times ranked

759
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical spectroscopy of Eu ³⁺ ions in lithium borate and lithium fluoroborate glasses. <i>Physica B: Condensed Matter</i> , 2000, 279, 262-281.	1.3	207
2	Spectroscopic properties of Dy ³⁺ ions in lithium borate and lithium fluoroborate glasses. <i>Optical Materials</i> , 2000, 15, 65-79.	1.7	164
3	Characterization of Eu ³⁺ -doped fluorophosphate glasses for red emission. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1397-1401.	1.5	99
4	Optical properties and energy transfer of Dy ³⁺ -doped transparent oxyfluoride glasses and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 236-243.	1.5	60
5	Optical properties of Yb ³⁺ -doped phosphate laser glasses. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5084-5089.	2.8	44
6	Synthesis of Ca ₂ SiO ₄ :Dy ³⁺ phosphors from agricultural waste for solid state lighting applications. <i>Ceramics International</i> , 2017, 43, 16622-16627.	2.3	36
7	Optimizing white light luminescence in Dy ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ nano-garnets. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	24
8	Nanocrystalline Sm ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ garnets: An intense orange-reddish luminescent material for white light emitting devices. <i>Journal of Luminescence</i> , 2016, 179, 533-538.	1.5	22
9	A fluorescence study of Tb ³⁺ -doped tellurite glass under pressure. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 7007-7015.	0.7	19
10	Stokes and anti-Stokes luminescence in Tm ³⁺ /Yb ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ nano-garnets: a study of multipolar interactions and energy transfer dynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14720-14729.	1.3	19
11	Effect of pressure on luminescence properties of Sm ³⁺ ions in potassium niobate tellurite glass. <i>Journal of Luminescence</i> , 2008, 128, 718-720.	1.5	16
12	Optical and upconversion properties of Er ³⁺ -doped oxyfluoride transparent glass-ceramics containing SrF ₂ nanocrystals. <i>Journal of Materials Research</i> , 2013, 28, 1481-1489.	1.2	16
13	Photoluminescence properties of Ho ³⁺ /Tm ³⁺ -doped YAGG nano-crystalline powders. <i>Optical Materials</i> , 2017, 72, 666-672.	1.7	16
14	Infrared-to-Visible Light Conversion in Er ³⁺ :Yb ³⁺ :Lu ₃ Ga ₅ O ₁₂ Nanogarnets. <i>ChemPhysChem</i> , 2015, 16, 3928-3936.	1.0	14
15	Efficient Nd ³⁺ sensitized Yb ³⁺ emission and infrared-to-visible energy conversion in gallium nano-garnets. <i>RSC Advances</i> , 2016, 6, 78669-78677.	1.7	13
16	Infrared-laser precipitation of Dy ³⁺ -Yb ³⁺ codoped SrF ₂ nanocrystals in glass and upconversion luminescence. <i>Applied Surface Science</i> , 2019, 478, 412-416.	3.1	11
17	Effect of high pressure on photoluminescence properties of Eu ³⁺ : Ba-Al-fluorophosphate glasses. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1172-1177.	2.8	10
18	Neodymium-doped magnesium phosphate glasses for NIR laser applications at 1.05 μ m. <i>Materials Research Express</i> , 2019, 6, 096204.	0.8	8

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19	Structural and Luminescence Properties of Ho ³⁺ /Yb ³⁺ -Doped Lu ₃ Ga ₅ O ₁₂ Nano-Garnets for Phosphor Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 4495-4501.	0.9	7