Kadathala Linganna

List of Publications by Year
in descending order

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39 papers	1,214 citations	331670 21 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	992 citing authors

#	Article	IF	Citations
1	Implementation of fluorophoshate laser glass for short length active fiber at 1.5ÂÎ¼m. Optics and Laser Technology, 2020, 127, 106189.	4.6	2
2	High emission cross-section Er3+-doped fluorophosphate glasses for active device application. Optik, 2019, 198, 163228.	2.9	13
3	Development of aluminosilicate glass fiber doped with high Pr3+ concentration for all-optical fiber isolator application. Journal of Materials Science: Materials in Electronics, 2019, 30, 12790-12795.	2.2	5
4	Luminescence and decay characteristics of Tb³⁺-doped fluorophosphate glasses. Journal of Asian Ceramic Societies, 2018, 6, 82-87.	2.3	38
5	Optical Absorption and EPR Studies on Gamma-Ray Irradiated RE3+-Doped Fluorophosphate Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 594-602.	3.7	5
6	Role of Dy³⁺ â†' Sm³⁺ energy transfer in the tuning of warm to cold white light emission in Dy³⁺/Sm³⁺ co-doped Lu₃Ga₅O₁₂ nano-garnets. New Journal of Chemistry, 2018, 42, 1260-1270.	2.8	36
7	Effect of BaF 2 addition on luminescence properties of Er 3+ /Yb 3+ co-doped phosphate glasses. Journal of Rare Earths, 2018, 36, 58-63.	4.8	21
8	Temperature and Vibration Dependence of the Faraday Effect of Gd2O3 NPs-Doped Alumino-Silicate Glass Optical Fiber. Sensors, 2018, 18, 988.	3.8	14
9	Structural and spectroscopic properties of Î³-ray irradiated Er3+-doped lead phosphate glasses. Journal of Luminescence, 2018, 203, 322-330.	3.1	24
10	Spectroscopic properties of Er3+/Yb3+ co-doped fluorophosphate glasses for NIR luminescence and optical temperature sensor applications. Journal of Industrial and Engineering Chemistry, 2018, 67, 236-243.	5.8	29
11	UV Photoluminescence of Alumino-Germano-Silicate Glass Optical Fiber Incorporated with Gd2O3 Nano-Particles Upon Illumination of Xenon-Lamp. Journal of Nanoscience and Nanotechnology, 2018, 18, 2006-2009.	0.9	1
12	Spectroscopic Properties of Yb³⁺-Doped Silicate Glasses. Zeitschrift Fur Physikalische Chemie, 2017, 232, 51-60.	2.8	3
13	Thermo-mechanical studies on Er3+-doped fluorophosphate glasses for near infrared lasers. Ceramics International, 2017, 43, 11177-11181.	4.8	9
14	Longer lifetime of Er3+/Yb3+ co-doped fluorophosphate glasses for optical amplifier applications. Journal of Non-Crystalline Solids, 2017, 471, 65-71.	3.1	20
15	Spectroscopic and pump power dependent upconversion studies of Er 3+ -doped lead phosphate glasses for photonic applications. Journal of Alloys and Compounds, 2017, 699, 959-968.	5.5	90
16	Effect of P2O5 addition on structural and luminescence properties of Nd3+-doped tellurite glasses. Journal of Alloys and Compounds, 2016, 684, 322-327.	5.5	59
17	Nanocrystalline Sm 3+ -doped Lu 3 Ga 5 O 12 garnets: An intense orange-reddish luminescent material for white light emitting devices. Journal of Luminescence, 2016, 179, 533-538.	3.1	22
18	Infraredâ€toâ€Visible Light Conversion in Er³⁺â€“Yb³⁺:Lu₃Ga₅O₁₂ Nanogarnets. ChemPhysChem, 2015, 16, 3928-3936.	2.1	14

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19	Thermal and optical properties of Nd3+ ions in Kâ€“Caâ€“Al fluorophosphate glasses. Journal of Luminescence, 2015, 166, 328-334.	3.1	55
20	Optical properties of Er³⁺-doped K-Ca-Al fluorophosphate glasses. , 2015, , .		1
21	Spectroscopic properties of tellurite glasses co-doped with Er3+ and Yb3+. Journal of Luminescence, 2015, 162, 72-80.	3.1	42
22	1.53 Âµm luminescence properties of Er3+-doped Kâ€“Srâ€“Al phosphate glasses. Ceramics International, 2015, 41, 5765-5771.	4.8	57
23	Luminescence properties of Sm3+-doped fluorosilicate glasses. Optics Communications, 2015, 344, 100-105.	2.1	48
24	Luminescence properties of Tb3+ ions in zinc fluorophosphate glasses for green laser applications. Materials Research Bulletin, 2015, 67, 196-200.	5.2	34
25	NIR fluorescence spectroscopic investigations of Er3+-ions doped borate based tellurium calcium zinc niobium oxide glasses. Journal of Luminescence, 2015, 164, 154-159.	3.1	36
26	Effect of heat treatment of optical fiber incorporated with Au nano-particles on surface plasmon resonance. Optical Materials Express, 2015, 5, 1440.	3.0	9
27	Chemical pressure effects on the spectroscopic properties of Nd^3+-doped gallium nano-garnets. Optical Materials Express, 2015, 5, 1661.	3.0	34
28	Optical properties of Er^3+-doped K-Ca-Al fluorophosphate glasses for optical amplification at 153 Î¼m. Optical Materials Express, 2015, 5, 1689.	3.0	32
29	Photon avalanche upconversion in Ho3+-doped gallium nano-garnets. Optical Materials, 2015, 39, 16-20.	3.6	11
30	Sm3+ ions Doped Phosphate Glasses for Multiband Visible Laser Applications. , 2015, , .		0
31	Optimizing white light luminescence in Dy3+-doped Lu3Ga5O12 nano-garnets. Journal of Applied Physics, 2014, 116, .	2.5	24
32	Spectroscopic properties of Ho 3 + $mathrm{Ho}^{3+}$ -doped Kâ€“Srâ€“Al phosphate glasses. Applied Physics A: Materials Science and Processing, 2014, 115, 689-696.	2.3	4
33	Optical and luminescence properties of Dy3+ ions in Kâ€“Srâ€“Al phosphate glasses for yellow laser applications. Applied Physics B: Lasers and Optics, 2014, 117, 75-84.	2.2	21
34	Optical properties and generation of white light in Dy3+-doped lead phosphate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 118, 40-48.	2.3	149
35	Spectroscopy and 1.47 <l>Î¼</l>m emission properties of Tm³⁺-doped metaphosphate laser glasses. Materials Express, 2013, 3, 71-78.	0.5	15
36	Optical properties of Eu3+ ions in phosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 788-797.	3.9	97

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37	Synthesis, Structural Properties and Upconversion Emission of Er³⁺ and Er³⁺/Yb³⁺ Doped Nanocrystalline NaNbO₃. Science of Advanced Materials, 2012, 4, 584-590.	0.7	16
38	Composition dependent structural and optical properties of Sm3+ doped boro-tellurite glasses. Journal of Luminescence, 2011, 131, 2746-2753.	3.1	123
39	Optimization of luminescence properties of Ln3+:fluorosilicate glasses to fabricate waveguides for photonics applications. , 2011, , .		1