

U Caldiñero

List of Publications by Year in descending order

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papers

2,077
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185998

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structural, thermal and optical investigations of Dy ³⁺ -doped B ₂ O ₃ -WO ₃ -ZnO-Li ₂ O-Na ₂ O glasses for warm white light emitting applications. Journal of Luminescence, 2017, 186, 283-300.	1.5	117
2	Optical spectroscopy of zinc metaphosphate glasses activated by Ce ³⁺ and Tb ³⁺ ions. Journal of Physics Condensed Matter, 2006, 18, 3499-3508.	0.7	75
3	Luminescence properties of Tb ³⁺ -doped zinc phosphate glasses for green laser application. Optical Materials, 2016, 58, 406-411.	1.7	73
4	Reddish-orange and neutral/warm white light emitting phosphors: Eu ³⁺ , Dy ³⁺ and Dy ³⁺ /Eu ³⁺ in potassium-zinc phosphate glasses. Journal of Luminescence, 2017, 183, 341-347.	1.5	69
5	White light generation through the zinc metaphosphate glass activated by Ce ³⁺ , Tb ³⁺ and Mn ²⁺ ions. Journal of Luminescence, 2009, 129, 1276-1280.	1.5	61
6	Photoluminescence of Ce ³⁺ and Mn ²⁺ in zinc metaphosphate glasses. Journal of Physics Condensed Matter, 2005, 17, 7297-7305.	0.7	60
7	White light generation in Dy ³⁺ and Ce ³⁺ /Dy ³⁺ -doped zinc-sodium aluminosilicate glasses. Journal of Luminescence, 2015, 167, 327-332.	1.5	60
8	Orange and reddish-orange light emitting phosphors: Sm ³⁺ and Sm ³⁺ /Eu ³⁺ doped zinc phosphate glasses. Journal of Luminescence, 2015, 167, 305-309.	1.5	59
9	Down-shifting by energy transfer in Tb ³⁺ /Dy ³⁺ co-doped zinc phosphate glasses. Journal of Luminescence, 2015, 161, 142-146.	1.5	58
10	New greenish-yellow and yellowish-green emitting glass phosphors: Tb ³⁺ /Eu ³⁺ and Ce ³⁺ /Tb ³⁺ /Eu ³⁺ in zinc phosphate glasses. Journal of Luminescence, 2013, 135, 216-220.	1.5	57
11	New reddish-orange and greenish-yellow light emitting phosphors: Eu ³⁺ and Tb ³⁺ /Eu ³⁺ in sodium germanate glass. Journal of Luminescence, 2014, 153, 198-202.	1.5	57
12	Development of sodium-zinc phosphate glasses doped with Dy ³⁺ , Eu ³⁺ and Dy ³⁺ /Eu ³⁺ for yellow laser medium, reddish-orange and white phosphor applications. Journal of Luminescence, 2018, 194, 231-239.	1.5	57
13	Optical spectroscopy and waveguide fabrication in Sm ³⁺ /Tb ³⁺ doped zinc-sodium aluminosilicate glasses. Optical Materials, 2012, 34, 1067-1071.	1.7	56
14	Neutral and warm white light emission in Tb ³⁺ /Sm ³⁺ zinc phosphate glasses. Optical Materials, 2015, 47, 537-542.	1.7	55
15	Optical absorption, luminescence, and energy transfer processes studies for Dy ³⁺ /Tb ³⁺ -codoped borate glasses for solid-state lighting applications. Optical Materials, 2017, 72, 380-391.	1.7	51
16	Blue and white light emission in Tm ³⁺ and Tm ³⁺ /Dy ³⁺ doped zinc phosphate glasses upon UV light excitation. Optical Materials, 2016, 58, 183-187.	1.7	48
17	White light generation in Tb ³⁺ /Eu ³⁺ /Dy ³⁺ triply-doped Zn(PO ₃) ₂ glass. Optical Materials, 2016, 51, 128-132.	1.7	47
18	Spectroscopic evaluation of Zn(PO ₃) ₂ :Dy ³⁺ glass as an active medium for solid state yellow laser. Optical Materials, 2014, 38, 188-192.	1.7	44

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19	White light generation through Zn(PO ₃) ₂ glass activated with Eu ³⁺ and Dy ³⁺ . Journal of Luminescence, 2016, 176, 235-239.	1.5	41
20	Yellow to orange-reddish glass phosphors: Sm ³⁺ , Tb ³⁺ and Sm ³⁺ /Tb ³⁺ in zinc tellurite-germanate glasses. Optical Materials, 2018, 75, 88-93.	1.7	40
21	White light generation in Al ₂ O ₃ :Ce ³⁺ :Tb ³⁺ :Mn ²⁺ films deposited by ultrasonic spray pyrolysis. Thin Solid Films, 2010, 518, 5724-5730.	0.8	37
22	Lithium-aluminum-zinc phosphate glasses activated with Tb ³⁺ and Tb ³⁺ /Eu ³⁺ for green laser medium, reddish-orange and white phosphor applications. Optical Materials, 2018, 79, 358-365.	1.7	37
23	Spectroscopy of the Bi ₄ Si ₃ O ₁₂ :Er ³⁺ glass for optical amplification and laser application. Optical Materials, 2010, 32, 1266-1273.	1.7	36
24	White, yellow and reddish-orange light generation in lithium-aluminum-zinc phosphate glasses co-doped with Dy ³⁺ /Tb ³⁺ and tri-doped with Dy ³⁺ /Tb ³⁺ /Eu ³⁺ . Journal of Luminescence, 2020, 219, 116882.	1.5	36
25	Spectroscopic characterization and optical waveguide fabrication in Ce ³⁺ , Tb ³⁺ and Ce ³⁺ /Tb ³⁺ doped zinc-sodium-aluminosilicate glasses. Optical Materials, 2011, 33, 1892-1897.	1.7	34
26	Reddish-orange, neutral and warm white emissions in Eu ³⁺ , Dy ³⁺ and Dy ³⁺ /Eu ³⁺ doped CdO-GeO ₂ -TeO ₂ glasses. Solid State Sciences, 2016, 61, 70-76.	1.5	33
27	Cold and warm white light generation using Zn(PO ₃) ₂ glasses activated by Ce ³⁺ , Dy ³⁺ and Mn ²⁺ . Journal of Luminescence, 2012, 132, 2077-2081.	1.5	32
28	Tunable white-light emission from Pr ³⁺ /Dy ³⁺ co-doped B ₂ O ₃ - TeO ₂ PbO - ZnO Li ₂ O - Na ₂ O glasses. Optical Materials, 2019, 88, 558-569.	1.7	32
29	Tunable emission and energy transfer in TeO ₂ -GeO ₂ -ZnO and TeO ₂ -GeO ₂ -MgCl ₂ glasses activated with Eu ³⁺ /Dy ³⁺ for solid state lighting applications. Journal of Luminescence, 2019, 212, 116-125.	1.5	29
30	Calcium-zinc phosphate glasses activated with Tb ³⁺ /Eu ³⁺ for laser and white LED applications. Journal of Luminescence, 2019, 215, 116621.	1.5	28
31	Co-emission and energy transfer of Sm ³⁺ and/or Eu ³⁺ activated zinc-germanate-tellurite glass as a potential tunable orange to reddish-orange phosphor. Journal of Non-Crystalline Solids, 2019, 521, 119462.	1.5	28
32	Lithium-aluminum-zinc phosphate glasses activated with Sm ³⁺ , Sm ³⁺ /Eu ³⁺ and Sm ³⁺ /Tb ³⁺ for reddish-orange and white light generation. Journal of Alloys and Compounds, 2020, 846, 156332.	2.8	27
33	Spectroscopic characterization of Er ³⁺ transitions in Bi ₄ Si ₃ O ₁₂ . Journal of Physics Condensed Matter, 2004, 16, 5925-5936.	0.7	26
34	Local structure determination of Mn ²⁺ in CaCl ₂ :Mn ²⁺ by optical spectroscopy. Optical Materials, 2005, 27, 1456-1460.	1.7	26
35	Blue-yellow photoluminescence from Ce ³⁺ +Dy ³⁺ energy transfer in HfO ₂ :Ce ³⁺ :Dy ³⁺ films deposited by ultrasonic spray pyrolysis. Journal of Alloys and Compounds, 2011, 509, 3160-3165.	2.8	26
36	Blue-green-red luminescence from CeCl ₃ and MnCl ₂ -doped hafnium oxide layers prepared by ultrasonic spray pyrolysis. Journal of Physics Condensed Matter, 2008, 20, 395205.	0.7	25

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37	Luminescence properties of Ce ³⁺ –Dy ³⁺ codoped aluminium oxide films. <i>Optical Materials</i> , 2011, 33, 1320-1324.	1.7	25
38	Blue and red photoluminescence from Al ₂ O ₃ :Ce ³⁺ :Mn ²⁺ films deposited by spray pyrolysis. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3647-3656.	0.7	24
39	Cold white light generation through the simultaneous emission from Ce ³⁺ and Tb ³⁺ in sodium germanate glass. <i>Optical Materials</i> , 2014, 37, 451-456.	1.7	23
40	Up and down-shifting emission properties of novel Er ³⁺ -doped CdO-V ₂ O ₅ -P ₂ O ₅ glass system. <i>Ceramics International</i> , 2019, 45, 1609-1615.	2.3	23
41	Optical spectroscopy and optical waveguide fabrication in Eu ³⁺ and Eu ³⁺ /Tb ³⁺ doped zinc–sodium–aluminosilicate glasses. <i>Journal of Luminescence</i> , 2014, 147, 336-340.	1.5	22
42	Stimulated emission, excited state absorption, and laser modeling of the Nd ³⁺ :Ca ₃ Ga ₂ Ge ₃ O ₁₂ laser system. <i>Journal of Applied Physics</i> , 2002, 91, 1754-1760.	1.1	21
43	Optical spectroscopy of Nd ³⁺ ions in poly(acrylic acid). <i>Journal of Physics Condensed Matter</i> , 2006, 18, 7951-7959.	0.7	20
44	Optical spectroscopy of Er ³⁺ ions in poly(acrylic acid). <i>Optical Materials</i> , 2006, 28, 1171-1177.	1.7	20
45	Extended decay times for the photoluminescence of Eu ³⁺ ions in aluminum oxide films through interaction with localized states. <i>Optical Materials</i> , 2012, 34, 1137-1142.	1.7	19
46	Violet-blue luminescence from hafnium oxide layers doped with CeCl ₃ prepared by the spray pyrolysis process. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2355-2361.	0.8	18
47	Multicolor emission in lithium-aluminum-zinc phosphate glasses activated with Dy ³⁺ , Eu ³⁺ and Dy ³⁺ /Eu ³⁺ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10564-10572.	1.1	18
48	Fluorescence features of Tm ³⁺ -doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications. <i>Optical Materials</i> , 2019, 96, 109354.	1.7	18
49	Cold bluish white and blue emissions in Cu ⁺ -doped zinc phosphate glasses. <i>Journal of Luminescence</i> , 2020, 217, 116791.	1.5	18
50	Near-infrared luminescence spectroscopy in yttrium oxide phosphor activated with Er ³⁺ , Li ⁺ and Yb ³⁺ ions for application in photovoltaic systems. <i>Journal of Luminescence</i> , 2020, 224, 117271.	1.5	18
51	Spectroscopic analysis of Nd ³⁺ -doped cadmium-vanadate invert glasses for near-infrared laser applications. <i>Journal of Non-Crystalline Solids</i> , 2021, 572, 121085.	1.5	15
52	Zinc phosphate glasses activated with Dy ³⁺ /Eu ³⁺ /Sm ³⁺ and Tb ³⁺ /Eu ³⁺ /Sm ³⁺ for reddish-orange and yellowish white phosphor applications. <i>Journal of Luminescence</i> , 2018, 203, 74-82.	1.5	13
53	New yellowish-green light emitting thin film: 89Al ₂ O ₃ ·5CeCl ₃ ·3EuCl ₃ ·3TbCl ₃ . <i>Optical Materials</i> , 2013, 35, 1304-1308.	1.7	12
54	Studies on blue and red photoluminescence from Al ₂ O ₃ :Ce ³⁺ :Mn ²⁺ coatings synthesized by spray pyrolysis technique. <i>Thin Solid Films</i> , 2006, 515, 607-610.	0.8	11

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55	Tunable white light emission in zinc phosphate glasses activated with Ag^+ clusters and Sm^{3+} . Journal of Luminescence, 2020, 222, 117104.	1.5	10
56	Cold white light generation through the simultaneous emission from Ce^{3+} , Dy^{3+} and Mn^{2+} in $90\text{Al}_2\text{O}_3\cdot 2\text{CeCl}_3\cdot 3\text{DyCl}_3\cdot 5\text{MnCl}_2$ thin film. Journal of Luminescence, 2012, 132, 2130-2134.	1.5	9
57	Spectroscopy evaluation of crystalline and amorphous $\text{Cd}_2\text{V}_2\text{O}_7$ as blue phosphors. Journal of Luminescence, 2018, 195, 234-239.	1.5	9
58	Down-shifting and down-conversion emission properties of novel $\text{CdO}\cdot\text{P}_2\text{O}_5$ invert glasses activated with Pr^{3+} and $\text{Pr}^{3+}/\text{Yb}^{3+}$ for photonic applications. Optical Materials, 2021, 116, 111009.	1.7	9
59	Photoluminescence of $\text{Bi}_4\text{Si}_3\text{O}_{12}:\text{Er}^{3+}$ crystal excited in the commercial laser diode emission region. Optical Materials, 2007, 29, 605-609.	1.7	7
60	Optical spectroscopy of zinc phosphate films activated with Ce^{3+} , Tb^{3+} and Mn^{2+} ions for white LED applications. Optical Materials, 2018, 84, 879-887.	1.7	6
61	Warm-white, reddish-orange and orange light generation from lithium-aluminum-zinc phosphate glass tri-doped with Sm^{3+} , Tb^{3+} and Eu^{3+} . Journal of Luminescence, 2022, 247, 118880.	1.5	6
62	Phosphors emitting light yellow (laser) and light white through sodium-magnesium-borotellurite glasses activated with Dy^{3+} . Optical Materials, 2022, 123, 111930.	1.7	3
63	Multicolor emission in $\text{Ag}^{\text{mn}+}$ clusters and Eu^{3+} activated $\text{ZnO}\cdot\text{P}_2\text{O}_5$ glasses achieved under near ultraviolet light excitation. Optical Materials, 2022, 123, 111833.	1.7	2
64	$\text{Li}_2\text{O}\cdot\text{Al}_2\text{O}_3\cdot\text{ZnO}\cdot\text{P}_2\text{O}_5:\text{Dy}^{3+}/\text{Sm}^{3+}/\text{Eu}^{3+}$ glasses for solid-state yellow laser and color tunable phosphor applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 21539-21552.	1.1	1
65	Judd-Ofelt analysis of the $\text{B}-\text{Te}-\text{Na}-\text{Si}-\text{Al}:\text{Er}^{3+}$ polymolecular glass for IR broadband telecommunication. Proceedings of SPIE, 2011, , .	0.8	0