Sooraj

List of Publications by Year in descending order

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56	1,026	361413	454955
papers	citations	20	30
		h-index	g-index

61	61	61	918
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural studies of lead lithium borate glasses doped with silver oxide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 392-398.	3.9	68
2	Absorption and emission spectral studies of Sm3+ and Dy3+ doped alkali fluoroborate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 77, 149-163.	2.3	67
3	Absorption and Emission Analysis of RE³⁺(Sm³⁺ and) Tj ETQq1 1 0.784314 rgBT /O Nanotechnology, 2009, 9, 3672-3677.	0.9	67
4	Effects of thickness and atmospheric annealing on structural, electrical and optical properties of GZO thin films by spray pyrolysis. Journal of Alloys and Compounds, 2012, 541, 495-504.	5.5	67
5	Application of modified Juddâ€“Ofelt theory and the evaluation of radiative properties of Pr3+-doped lead telluroborate glasses for laser applications. Journal of Non-Crystalline Solids, 2013, 364, 20-27.	3.1	64
6	Influence of calcination on the solâ€“gel synthesis of lanthanum oxide nanoparticles. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	46
7	Structural studies of lithium boro tellurite glasses doped with praseodymium and samarium oxides. Materials Research Bulletin, 2012, 47, 3489-3494.	5.2	39
8	Absorption and emission properties of Ho3+ doped leadâ€“zincâ€“borate glasses. Thin Solid Films, 2006, 515, 318-325.	1.8	37
9	Luminescence properties of Nd3+: TeO2â€“B2O3â€“P2O5â€“Li2O glass. Infrared Physics and Technology, 2000, 41, 247-258.	2.9	35
10	Bone ingrowth in macroporous BonelikeÂ® for orthopaedic applications. Acta Biomaterialia, 2008, 4, 370-377.	8.3	34
11	Lasing transition (4F3/2â†'4I11/2) at 1.06Î¼m in neodymium oxide doped lithium boro tellurite glass. Physica B: Condensed Matter, 2010, 405, 4696-4701.	2.7	34
12	Luminescence spectra of Eu3+-doped GeO2-PbO-Bi2O3 glasses. Materials Research Bulletin, 2001, 36, 1813-1821.	5.2	29
13	Luminescence and decay trends for NIR transition (4I13/2â†'4I15/2) at 1.5Î¼m in Er3+-doped LBT glasses. Optical Materials, 2011, 33, 1167-1173.	3.6	29
14	Spectra of Sm3 and Dy3: B2O3â€“P2O5â€“R2SO4 Glasses. Materials Research Bulletin, 1998, 33, 149-159.	5.2	28
15	Spectral analysis of Ho3+: TeO2â€“B2O3â€“Li2O glass. Materials Letters, 2003, 57, 2071-2080.	2.6	26
16	Emission properties of Tb3+-doped zinc boro-silicate glasses. Materials Letters, 2001, 48, 303-308.	2.6	25
17	Opening wedge high tibial osteotomy using 3D biomodelling BonelikeÂ® macroporous structures: case report. Journal of Materials Science: Materials in Medicine, 2007, 18, 2377-2382.	3.6	25
18	3-D biomodelling technology for maxillofacial reconstruction. Materials Science and Engineering C, 2008, 28, 1347-1351.	7.3	24

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19	A comparative study of CaOâ€“P2O5â€“SiO2 gels prepared by a solâ€“gel method. Materials Chemistry and Physics, 2004, 88, 5-8.	4.0	23
20	Histological and scanning electron microscopy analyses of bone/implant interface using the novel BonelikeÂ® synthetic bone graft. Journal of Orthopaedic Research, 2006, 24, 953-958.	2.3	21
21	Polyethylene glycol assisted facile sol-gel synthesis of lanthanum oxide nanoparticles: Structural characterizations and photoluminescence studies. Ceramics International, 2019, 45, 424-431.	4.8	20
22	Titanium dental implants coated with BonelikeÂ®: Clinical case report. Thin Solid Films, 2006, 515, 279-284.	1.8	16
23	Jaw avascular osteonecrosis after treatment of multiple myeloma with zoledronate. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2008, 61, 99-106.	1.0	16
24	LUMINESCENCE PROPERTIES OF Eu3+DOPED ZnO-B2O3-SiO2GLASSES. Spectroscopy Letters, 2002, 35, 275-283.	1.0	15
25	Biological Behaviour of Bonelike^{Â®} Graft Implanted in the Tibia of Humans. Key Engineering Materials, 2005, 284-286, 1041-1044.	0.4	13
26	Assessment of BonelikeÂ® graft with a resorbable matrix using an animal model. Thin Solid Films, 2006, 515, 362-367.	1.8	13
27	Amorphous Al-Ti Powders Prepared by Mechanical Alloying and Consolidated by Electrical Resistance Sintering. Metals, 2019, 9, 1140.	2.3	11
28	Luminescence properties of Tb3+-doped PbOâ€“Bi2O3â€“GeO2 glasses. Materials Letters, 2002, 53, 25-29.	2.6	10
29	Photoluminescence spectra of Sm3+:PbO-Bi2O3-GeO2 glasses. Journal of Materials Science Letters, 2002, 21, 397-399.	0.5	10
30	Development and Characterization of <scp><scp>Ag</scp></scp>₂<scp><scp>O</scp></scp>â€Doped <scp><scp>ZnLB</scp></scp> Glasses and Biological Assessment of <scp><scp>Ag</scp></scp>₂<scp><scp>O</scp></scp>â€“<scp><scp>ZnLB</scp></scp>â€“Hydroxyapatite Composites. Journal of the American Ceramic Society, 2012, 95, 2732-2740.	3.8	10
31	Assessment of the Potential of Bonelike^{Â®} Graft for Bone Regeneration by Using an Animal Model. Key Engineering Materials, 2005, 284-286, 877-880.	0.4	9
32	Structural and time resolved emission spectra of Er3+: Silver lead borate glass. Chemical Physics Letters, 2011, 512, 70-75.	2.6	9
33	Fluorescence Spectra of Tb³⁺: Ln₂O₂S Powder Phosphors. Spectroscopy Letters, 1997, 30, 819-824.	1.0	8
34	Luminescence properties of Tb3+ doped PbOâ€“Bi2O3â€“GeO2 glasses. Materials Letters, 2002, 52, 429-434.	2.6	8
35	Spectral properties of Eu3+:B2O3â€“AlF3â€“RF glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 75, 507-516.	2.3	8
36	Development and Characterization of Lanthanides Doped Hydroxyapatite Composites for Bone Tissue Application. , 2013, , 87-115.		8

#	Article	IF	Citations
37	Time-resolved and excitation-emission matrix luminescence behaviour of boro-silicate glasses doped with Eu3+ ions for red luminescent application. Materials Research Bulletin, 2021, 140, 111340.	5.2	7
38	Spectral properties of Eu3+: B2O3-P2O5-R2SO4 glasses. Materials Letters, 1997, 33, 201-206.	2.6	6
39	Physical and Optical Characterization of Er³⁺ Doped Lead-Zinc-Borate Glass. Journal of Nanoscience and Nanotechnology, 2009, 9, 3555-3561.	0.9	6
40	Application of Glass Reinforced Hydroxyapatite Composite in the Treatment of Human Intrabony Periodontal Angular Defects â€“ Two Case Reports. Solid State Phenomena, 0, 161, 93-101.	0.3	5
41	A multi-sensor dosimeter for brachytherapy based on radioluminescent fiber sensors. Proceedings of SPIE, 2013, , .	0.8	5
42	Time-resolved and fluorescence excitation-emission matrix measurements of lanthanide (Gd3+, Tb3+) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	5
43	Spectroscopic properties of Nd3+& Eu3+ions in heavy metal fluoride (ZrF4& InF3) glasses. Ferroelectrics, Letters Section, 1996, 21, 111-125.	1.0	4
44	Fluorescence spectral properties of Sm3+- and Dy3+-doped laser liquids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 761-763.	3.9	4
45	Time Resolved Emission Spectra And Electron Paramagnetic Resonance Studies Of Gd3+ Doped Calcium Phosphate Glasses. Advanced Materials Letters, 2016, 7, 277-281.	0.6	3
46	Treatment of a Large Cystic Lesion in Anterior Maxilla Using Glass Reinforced Hydroxyapatite â€“ A Case Report. Solid State Phenomena, 2013, 207, 97-108.	0.3	2
47	Intense infrared, visible up and down emissions in Er3+/Yb3+ co-doped SrAl12O19 obtained by urea assisted combustion route. Journal of Materials Science: Materials in Electronics, 2018, 29, 16516-16522.	2.2	2
48	Absorption spectrum - energy level structure parameters of Ho3+:LiTaO3crystal. Ferroelectrics, Letters Section, 1999, 26, 61-64.	1.0	1
49	Guided Bone Regeneration Using Glass-Reinforced Hydroxyapatite and Collagen Membrane in the Treatment of Peri-Implantitis. Solid State Phenomena, 0, 207, 109-119.	0.3	1
50	Biological Behaviour of Bonelike^{Â®} Graft Implanted in the Tibia of Humans. Key Engineering Materials, 0, , 1041-1044.	0.4	1
51	Calcium Phosphate Ceramics in Periodontal Regeneration. , 2013, , 116-141.		1
52	Current Trends on Glass and Ceramic Materials. , 2013, , .		1
53	Assessment of the osteoblastic cell response to a zinc glass reinforced hydroxyapatite composite (Zn-GRHA). International Journal of Nano and Biomaterials, 2009, 2, 100.	0.1	0
54	Physical characterization studies on silver oxide doped PbO- Li 2 O -B 2 O 3 glasses. , 2011, , .		0

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55	Luminescence and Time-Resolved Emission Spectra of Nd³⁺and Er³⁺: Silver Zinc Borate Glasses. Solid State Phenomena, 2013, 207, 37-53.	0.3	0
56	Structural, UV-VIS-NIR Luminescence And Decay Associated Spectral Profiles Of Sm3+ Doped Calcium Phosphate Glass. Advanced Materials Letters, 2016, 7, 702-707.	0.6	0