Anuj Soni

List of Publications by Year
in descending order

30 papers	449 citations	687363 13 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	309 citing authors

#	Article	IF	Citations
1	Development of laser based OSL reader for its potential application in radiation dosimetry. Nuclear Instruments & Methods in Physics Research B, 2022, 512, 28-37.	1.4	0
2	Development of cryostat integrated TL/OSL reader for its application in radiation dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 191-197.	1.6	3
3	Li3PO4: M (M=Tb, Cu) phosphors for radiation dosimetry. Rare Metals, 2017, 36, 758-763.	7.1	5
4	Some novel features of post-500Â°C heating blue stimulated OSL emission of fired natural quartz. Geochronometria, 2017, 44, 287-298.	0.8	0
5	Synthesis and TL/OSL properties of a novel high-sensitive blue-emitting LiSrPO4:Eu2+ phosphor for radiation dosimetry. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	12
6	Mathematical formulation of T max â€“ T stop method for LM-OSL and its experimental validation on Î±-Al 2 O 3 :C. Nuclear Instruments & Methods in Physics Research B, 2016, 375, 87-92.	1.4	3
7	TL/OSL Properties of Green Emitting LiMgPO4:Tb3+, B (LMPTB) Phosphor for Radiation Dosimetry. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 845-854.	3.7	13
8	Synthesis and thermoluminescence/optically stimulated luminescence properties of CaB4O7:Ce phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 5600-5606.	2.2	16
9	A novel high sensitivity KCaPO4:Ce3+ phosphor for radiation dosimetry. Research on Chemical Intermediates, 2016, 42, 7637-7649.	2.7	10
10	Synthesis and luminescence properties of Tb3+-doped LiMgPO4 phosphor. Bulletin of Materials Science, 2016, 39, 1157-1163.	1.7	26
11	TL and OSL studies of carbon doped magnesium aluminate (MgAl2O4:C). Radiation Physics and Chemistry, 2016, 127, 78-84.	2.8	14
12	Thermoluminescence, OSL and defect centers in Tb doped magnesium orthosilicate phosphor. Applied Radiation and Isotopes, 2016, 115, 23-31.	1.5	17
13	TL and OSL studies on undoped diamond films grown by hot filament chemical vapor deposition. Journal of Luminescence, 2016, 177, 184-189.	3.1	7
14	A novel KMgPO 4 :Tb 3+ (KMPT) phosphor for radiation dosimetry. Journal of Luminescence, 2016, 176, 106-111.	3.1	34
15	Study of thermoluminescence (TL) and optically stimulated luminescence (OSL) from Î±-keratin protein found in human hairs and nails: potential use in radiation dosimetry. Radiation and Environmental Biophysics, 2016, 55, 255-264.	1.4	4
16	Combustion synthesis and preliminary luminescence studies of LiBaPO4 : Tb3+ phosphor. Bulletin of Materials Science, 2015, 38, 1527-1531.	1.7	33
17	A laser based frequency modulated NL-OSL phenomenon. Nuclear Instruments & Methods in Physics Research B, 2015, 342, 116-124.	1.4	3
18	Optimization of CW-OSL parameters for improved dose detection threshold in Al2O3:C. Radiation Measurements, 2014, 71, 212-216.	1.4	35

#	Article	IF	Citations
19	Optically stimulated luminescence (OSL) and thermally assisted OSL inÂEu2+ â€“ Doped BaSO4 phosphor. Radiation Measurements, 2014, 64, 35-43.	1.4	36
20	Synthesis of aluminum nitride thin films and their potential applications in solid state thermoluminescence dosimeters. Journal of Luminescence, 2014, 155, 32-38.	3.1	16
21	OSL and thermally assisted OSL response in dental enamel for its possible application in retrospective dosimetry. Radiation and Environmental Biophysics, 2014, 53, 763-774.	1.4	15
22	New OSL detector combination for albedo neutron dosimetry. Radiation Measurements, 2014, 71, 505-508.	1.4	2
23	Optically stimulated luminescence and thermoluminescence in some Cu+ doped alkali fluoro-silicates. Radiation Measurements, 2013, 59, 73-80.	1.4	14
24	Improvement in dose threshold of Î±-Al2O3:C using thermally assisted OSL. Radiation Measurements, 2013, 49, 67-72.	1.4	9
25	Thermally assisted OSL: A potent tool for improvement in minimum detectable dose and extension of dose range of Al2O3:C. Geochronometria, 2013, 40, 258-265.	0.8	12
26	TL and OSL studies on lithium borate single crystals doped with Cu and Ag. Journal of Luminescence, 2012, 132, 1969-1975.	3.1	46
27	Characterization of deep energy level defects in Î±-Al2O3:C using thermally assisted OSL. Radiation Measurements, 2012, 47, 111-120.	1.4	24
28	Preliminary non-linear light modulation OSL studies using Î±-Al2O3: C. Radiation Measurements, 2011, 46, 1462-1468.	1.4	11
29	Method of measuring thermal assistance energy associated with OSL traps in Î±-Al2O3:C phosphor. Radiation Measurements, 2011, 46, 635-642.	1.4	22
30	In-Vacuo thermal processing of Î±-Al2O3 single crystals in boron ambience and its implication on TL & OSL response. Journal of Luminescence, 2010, 130, 1308-1312.	3.1	7