

# Anuj Soni

## List of Publications by Year in descending order

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30  
papers

449  
citations

687363

13  
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713466

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30  
all docs

30  
docs citations

30  
times ranked

309  
citing authors

#	ARTICLE	IF	CITATIONS
1	TL and OSL studies on lithium borate single crystals doped with Cu and Ag. Journal of Luminescence, 2012, 132, 1969-1975.	3.1	46
2	Optically stimulated luminescence (OSL) and thermally assisted OSL in $\text{Eu}^{2+}$ Doped $\text{BaSO}_4$ phosphor. Radiation Measurements, 2014, 64, 35-43.	1.4	36
3	Optimization of CW-OSL parameters for improved dose detection threshold in $\text{Al}_2\text{O}_3:\text{C}$ . Radiation Measurements, 2014, 71, 212-216.	1.4	35
4	A novel $\text{KMgPO}_4:\text{Tb}^{3+}$ (KMPT) phosphor for radiation dosimetry. Journal of Luminescence, 2016, 176, 106-111.	3.1	34
5	Combustion synthesis and preliminary luminescence studies of $\text{LiBaPO}_4:\text{Tb}^{3+}$ phosphor. Bulletin of Materials Science, 2015, 38, 1527-1531.	1.7	33
6	Synthesis and luminescence properties of $\text{Tb}^{3+}$ -doped $\text{LiMgPO}_4$ phosphor. Bulletin of Materials Science, 2016, 39, 1157-1163.	1.7	26
7	Characterization of deep energy level defects in $\text{Al}_2\text{O}_3:\text{C}$ using thermally assisted OSL. Radiation Measurements, 2012, 47, 111-120.	1.4	24
8	Method of measuring thermal assistance energy associated with OSL traps in $\text{Al}_2\text{O}_3:\text{C}$ phosphor. Radiation Measurements, 2011, 46, 635-642.	1.4	22
9	Thermoluminescence, OSL and defect centers in $\text{Tb}$ doped magnesium orthosilicate phosphor. Applied Radiation and Isotopes, 2016, 115, 23-31.	1.5	17
10	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
11	Synthesis and thermoluminescence/optically stimulated luminescence properties of $\text{CaB}_4\text{O}_7:\text{Ce}$ phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 5600-5606.	2.2	16
12	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
13	Optically stimulated luminescence and thermoluminescence in some $\text{Cu}^{+}$ doped alkali fluoro-silicates. Radiation Measurements, 2013, 59, 73-80.	1.4	14
14	TL and OSL studies of carbon doped magnesium aluminate ( $\text{MgAl}_2\text{O}_4:\text{C}$ ). Radiation Physics and Chemistry, 2016, 127, 78-84.	2.8	14
15	TL/OSL Properties of Green Emitting $\text{LiMgPO}_4:\text{Tb}^{3+}$ , B (LMPTB) Phosphor for Radiation Dosimetry. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 845-854.	3.7	13
16	Thermally assisted OSL: A potent tool for improvement in minimum detectable dose and extension of dose range of $\text{Al}_2\text{O}_3:\text{C}$ . Geochronometria, 2013, 40, 258-265.	0.8	12
17	Synthesis and TL/OSL properties of a novel high-sensitive blue-emitting $\text{LiSrPO}_4:\text{Eu}^{2+}$ phosphor for radiation dosimetry. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	12
18	Preliminary non-linear light modulation OSL studies using $\text{Al}_2\text{O}_3:\text{C}$ . Radiation Measurements, 2011, 46, 1462-1468.	1.4	11

#	ARTICLE	IF	CITATIONS
19	A novel high sensitivity KCaPO <sub>4</sub> :Ce <sup>3+</sup> phosphor for radiation dosimetry. Research on Chemical Intermediates, 2016, 42, 7637-7649.	2.7	10
20	Improvement in dose threshold of $\hat{\Gamma}$ -Al <sub>2</sub> O <sub>3</sub> :C using thermally assisted OSL. Radiation Measurements, 2013, 49, 67-72.	1.4	9
21	In-Vacuo thermal processing of $\hat{\Gamma}$ -Al <sub>2</sub> O <sub>3</sub> single crystals in boron ambience and its implication on TL & OSL response. Journal of Luminescence, 2010, 130, 1308-1312.	3.1	7
22	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
23	Li <sub>3</sub> PO <sub>4</sub> : M (M=Tb, Cu) phosphors for radiation dosimetry. Rare Metals, 2017, 36, 758-763.	7.1	5
24	Study of thermoluminescence (TL) and optically stimulated luminescence (OSL) from $\hat{\Gamma}$ -keratin protein found in human hairs and nails: potential use in radiation dosimetry. Radiation and Environmental Biophysics, 2016, 55, 255-264.	1.4	4
25	A laser based frequency modulated NL-OSL phenomenon. Nuclear Instruments & Methods in Physics Research B, 2015, 342, 116-124.	1.4	3
26	Mathematical formulation of T max $\hat{\Gamma}$ T stop method for LM-OSL and its experimental validation on $\hat{\Gamma}$ -Al <sub>2</sub> O <sub>3</sub> :C. Nuclear Instruments & Methods in Physics Research B, 2016, 375, 87-92.	1.4	3
27	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
28	New OSL detector combination for albedo neutron dosimetry. Radiation Measurements, 2014, 71, 505-508.	1.4	2
29	Some novel features of post-500 $\hat{\Gamma}$ C heating blue stimulated OSL emission of fired natural quartz. Geochronometria, 2017, 44, 287-298.	0.8	0
30	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