Reuven Chen

List of Publications by Year
in descending order

173 papers	6,682 citations	101543 36 h-index	85541 71 g-index
197 all docs	197 docs citations	197 times ranked	2218 citing authors

#	Article	IF	Citations
1	Glow Curves with General Order Kinetics. Journal of the Electrochemical Society, 1969, 116, 1254.	2.9	870
2	On the Calculation of Activation Energies and Frequency Factors from Glow Curves. Journal of Applied Physics, 1969, 40, 570-585.	2.5	865
3	Effects of Various Heating Rates on Glow Curves. Journal of Applied Physics, 1970, 41, 5227-5232.	2.5	263
4	Luminescence models. Radiation Measurements, 1997, 27, 625-661.	1.4	203
5	Methods for kinetic analysis of thermally stimulated processes. Journal of Materials Science, 1976, 11, 1521-1541.	3.7	196
6	The strongly superlinear dose dependence of thermoluminescence in synthetic quartz. Journal Physics D: Applied Physics, 1988, 21, 1452-1457.	2.8	99
7	Mixed first and second order kinetics in thermally stimulated processes. Journal of Luminescence, 1981, 23, 293-303.	3.1	85
8	Characterization of nonlinearities in the dose dependence of thermoluminescence. Radiation Measurements, 1994, 23, 667-673.	1.4	85
9	Dose dependence of thermoluminescence peaks. Journal Physics D: Applied Physics, 1974, 7, 1063-1072.	2.8	84
10	Thermoluminescence of Semiconducting Diamonds. Physical Review, 1966, 148, 839-845.	2.7	81
11	Solution of the kinetic equations governing trap filling. Consequences concerning dose dependence and dose-rate effects. Physical Review B, 1981, 24, 4931-4944.	3.2	72
12	Modelling the thermal quenching mechanism in quartz based on time-resolved optically stimulated luminescence. Journal of Luminescence, 2010, 130, 902-909.	3.1	69
13	A model for explaining the concentration quenching of thermoluminescence. Radiation Measurements, 2011, 46, 1380-1384.	1.4	69
14	Thermoluminescence and phosphorescence with a continuous distribution of activation energies. Journal of Luminescence, 1989, 44, 73-81.	3.1	68
15	Radiation-induced growth and isothermal decay of infrared-stimulated luminescence from feldspar. Radiation Measurements, 2015, 81, 224-231.	1.4	66
16	The analysis of thermoluminescent glow peaks of CaF2: Dy (TLD-200) after Â-irradiation. Journal Physics D: Applied Physics, 2002, 35, 2526-2535.	2.8	64
17	Evaluated thermoluminescence trapping parametersâ€"What do they really mean?. Radiation Measurements, 2016, 91, 21-27.	1.4	60
18	OSL-thermochronometry of feldspar from the KTB borehole, Germany. Earth and Planetary Science Letters, 2015, 423, 232-243.	4.4	59

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19	Developments in Luminescence and Display Materials Over the Last 100 Years as Reflected in Electrochemical Society Publications. Journal of the Electrochemical Society, 2002, 149, S69.	2.9	58
20	Numerical solution of the glow curve differential equations. Journal of Computational Physics, 1972, 10, 272-283.	3.8	56
21	On the analysis of thermally stimulated processes. Journal of Electrostatics, 1977, 3, 15-24.	1.9	53
22	Solution of minisum and minimax locationâ€"allocation problems with Euclidean distances. Naval Research Logistics Quarterly, 1983, 30, 449-459.	0.4	53
23	Numerical curve fitting for calculating glow parameters. Journal Physics D: Applied Physics, 1970, 3, 243-247.	2.8	51
24	Thermoluminescence glowâ€peak shape methods based on mixed order kinetics. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1181-1189.	1.8	51
25	Thermoluminescence characteristics of the 375 Â°C electron trap in quartz. Physical Review B, 1992, 46, 8036-8049.	3.2	49
26	Nonlinear dose dependence and dose-rate dependence of optically stimulated luminescence and thermoluminescence. Radiation Measurements, 2001, 33, 475-481.	1.4	48
27	New relaxation-based algorithms for the optimal solution of the continuous and discrete p-center problems. Computers and Operations Research, 2009, 36, 1646-1655.	4.0	48
28	Interpretation of Very High Activation Energies and Frequency Factors in TL as Being Due to Competition Between Centres. Radiation Protection Dosimetry, 1996, 65, 17-20.	0.8	47
29	Two-stage thermal stimulation of thermoluminescence. Radiation Measurements, 2012, 47, 809-813.	1.4	46
30	The decay of OSL signals as stretched-exponential functions. Radiation Measurements, 2003, 37, 519-526.	1.4	45
31	A theoretical model for a new dating protocol for quartz based on thermally transferred OSL (TT-OSL). Radiation Measurements, 2008, 43, 704-708.	1.4	45
32	A New Look at the Models of the Superlinear Dose Dependence of Thermoluminescence. Radiation Protection Dosimetry, 1996, 65, 63-68.	0.8	42
33	Analysis of Thermoluminescence Data Dominated by Second-Order Kinetics. Physica Status Solidi A, 1983, 79, 251-261.	1.7	41
34	Thermoluminescence kinetics for multipeak glow curves produced by the release of electrons and holes. Journal Physics D: Applied Physics, 1986, 19, 1321-1334.	2.8	38
35	A model for non-monotonic dose dependence of thermoluminescence (TL). Journal of Physics Condensed Matter, 2005, 17, 737-753.	1.8	37
36	Applicability of the Zimmerman predose model in the thermoluminescence of predosed and annealed synthetic quartz samples. Radiation Measurements, 2003, 37, 267-274.	1.4	36

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37	Simultaneous Measurement of Thermally Stimulated Conductivity and Thermoluminescence. Journal of Applied Physics, 1971, 42, 5899-5901.	2.5	35
38	Numerical solutions to the rate equations governing the simultaneous release of electrons and holes during thermoluminescence and isothermal decay. Physical Review B, 1985, 32, 3835-3843.	3.2	34
39	Solution of location problems with radial cost functions. Computers and Mathematics With Applications, 1984, 10, 87-94.	2.7	33
40	Supralinearity in Thermoluminescence Revisited. Radiation Protection Dosimetry, 1993, 47, 23-26.	0.8	33
41	Accelerating convergence in the Fermatâ€“Weber location problem. Operations Research Letters, 1998, 22, 151-157.	0.7	32
42	A quantitative kinetic model for Al2O3:C: TL response to ionizing radiation. Radiation Measurements, 2007, 42, 198-204.	1.4	32
43	Thermal dependence of luminescence lifetimes and radioluminescence in quartz. Journal of Luminescence, 2014, 145, 38-48.	3.1	32
44	Calculation of glow curves' activation energies by numerical initla rise methods. Chemical Physics Letters, 1968, 2, 483-485.	2.6	31
45	Modeling the Pre-Dose Effect in Thermoluminescence. Radiation Protection Dosimetry, 1999, 84, 43-46.	0.8	31
46	Sublinear dose dependence of thermoluminescence and optically stimulated luminescence prior to the approach to saturation level. Radiation Measurements, 2009, 44, 606-610.	1.4	31
47	Numerical curve fitting of general order kinetics glow peaks. Journal Physics D: Applied Physics, 1971, 4, 287-291.	2.8	30
48	Competition between excitation and bleaching of thermoluminescence. Journal Physics D: Applied Physics, 1990, 23, 724-728.	2.8	29
49	A model explaining the anomalous heating-rate effect in thermoluminescence as an inverse thermal quenching based on simultaneous thermal release of electrons and holes. Radiation Measurements, 2017, 106, 20-25.	1.4	29
50	A model for dose-rate dependence of thermoluminescence intensity. Journal Physics D: Applied Physics, 2000, 33, 846-850.	2.8	28
51	A new possible interpretation of the anomalous fading in thermoluminescent materials as normal fading in disguise. Radiation Measurements, 1997, 27, 205-210.	1.4	27
52	Non-monotonic dose dependence of thermoluminescence. Radiation Protection Dosimetry, 2006, 119, 33-36.	0.8	27
53	Simulations of time-resolved photoluminescence experiments in Î±-Al2O3:C. Journal of Luminescence, 2011, 131, 1086-1094.	3.1	27
54	Superlinear filling of traps in crystals due to competition during irradiation. Journal of Luminescence, 1979, 18-19, 345-348.	3.1	26

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55	The conditionalp-center problem in the plane. Naval Research Logistics, 1993, 40, 117-127.	2.2	26
56	Thermally stimulated current curves with non-constant recombination lifetime. Journal Physics D: Applied Physics, 1969, 2, 371-375.	2.8	25
57	Nonmonotonic dose dependence of OSL intensity due to competition during irradiation and readout. Radiation Measurements, 2006, 41, 903-909.	1.4	25
58	Thermoluminescence under an exponential heating function: I. Theory. Journal Physics D: Applied Physics, 2006, 39, 1500-1507.	2.8	25
59	Location problems with costs being sums of powers of euclidean distances. Computers and Operations Research, 1984, 11, 285-294.	4.0	24
60	Relaxation method for the solution of the minimax location-allocation problem in euclidean space. Naval Research Logistics, 1987, 34, 775-788.	2.2	24
61	Modelling thermal transfer in optically stimulated luminescence of quartz. Journal Physics D: Applied Physics, 2007, 40, 998-1006.	2.8	24
62	Radioluminescence in Al₂O₃â€‰: C â€“ analytical and numerical simulation results. Journal Physics D: Applied Physics, 2009, 42, 175107.	2.8	23
63	An overview of recent developments in luminescence models with a focus on localized transitions. Radiation Measurements, 2017, 106, 3-12.	1.4	23
64	X-Ray Storage Luminescence of BaFCl:Eu2+ Single Crystals. Journal of Physical Chemistry B, 2005, 109, 11505-11511.	2.6	22
65	On the expected order of kinetics in a series of thermoluminescence (TL) and thermally stimulated conductivity (TSC) peaks. Nuclear Instruments & Methods in Physics Research B, 2013, 312, 60-69.	1.4	22
66	The role of simulations in the study of thermoluminescence (TL). Radiation Measurements, 2014, 71, 8-14.	1.4	22
67	On the computation of the integral appearing in glow curve theory. Journal of Computational Physics, 1969, 4, 415-418.	3.8	21
68	Thermoluminescence under an exponential heating function: II. Glow-curve deconvolution of experimental glow-curves. Journal Physics D: Applied Physics, 2006, 39, 1508-1514.	2.8	21
69	On the order of kinetics in the study of thermoluminescence. Journal Physics D: Applied Physics, 1983, 16, L107-L114.	2.8	20
70	Conditional Minisum and Minimax Location-Allocation Problems in Euclidean Space. Transportation Science, 1988, 22, 157-160.	4.4	20
71	Apparent anomalous fading of thermoluminescence associated with competition with radiationless transitions. Radiation Measurements, 2000, 32, 505-511.	1.4	20
72	Dose-rate dependence of thermoluminescence response. Nuclear Instruments & Methods, 1980, 175, 43-44.	1.2	19

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73	Processes of sensitization of thermoluminescence in insulators. Journal Physics D: Applied Physics, 1998, 31, 2628-2635.	2.8	19
74	On the intrinsic accuracy and precision of luminescence dating techniques for fired ceramics. Journal of Archaeological Science, 2011, 38, 1591-1602.	2.4	19
75	Thermoluminescent properties of mica. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1988, 14, 101-104.	0.5	18
76	Dose dependence and dose-rate dependence of the optically stimulated luminescence signal. Journal of Applied Physics, 2001, 89, 259-263.	2.5	18
77	Time-resolved infrared stimulated luminescence signals in feldspars: Analysis based on exponential and stretched exponential functions. Journal of Luminescence, 2012, 132, 2330-2340.	3.1	18
78	A new analytical equation for the dose response of dosimetric materials, based on the Lambert W function. Journal of Luminescence, 2020, 225, 117333.	3.1	18
79	Investigation of Phosphorescence Decay Using TL-like Presentation. Radiation Protection Dosimetry, 1986, 17, 443-446.	0.8	17
80	Luminescence of LiKYF5:Pr3+ crystals. Radiation Measurements, 2001, 33, 637-640.	1.4	17
81	A comprehensive comparative study of the predose effect for three quartz crystals of different origin. Radiation Protection Dosimetry, 2006, 119, 438-441.	0.8	17
82	Analytical expressions for time-resolved optically stimulated luminescence experiments in quartz. Journal of Luminescence, 2011, 131, 1827-1835.	3.1	17
83	Modeling of the shape of infrared stimulated luminescence signals in feldspars. Radiation Measurements, 2012, 47, 870-876.	1.4	17
84	Optimal algorithms for the Î±-neighbor p-center problem. European Journal of Operational Research, 2013, 225, 36-43.	5.7	17
85	Solution of minimax problems using equivalent differentiable functions. Computers and Mathematics With Applications, 1985, 11, 1165-1169.	2.7	16
86	A relaxation-based algorithm for solving the conditional -center problem. Operations Research Letters, 2010, 38, 215-217.	0.7	16
87	Supralinearity in Thermoluminescence Revisited. Radiation Protection Dosimetry, 1993, 47, 23-26.	0.8	16
88	Some optical properties of iodine single crystals. Journal of Physics and Chemistry of Solids, 1963, 24, 135-139.	4.0	15
89	On the analysis of thermal desorption curves. Surface Science, 1974, 43, 657-661.	1.9	15
90	Simulations of the effect of pulse annealing on optically-stimulated luminescence of quartz. Radiation Measurements, 2007, 42, 1587-1599.	1.4	15

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91	On the theoretical basis for the duplicitous thermoluminescence peak. Journal Physics D: Applied Physics, 2009, 42, 155409.	2.8	15
92	Superlinear dose dependence of high temperature thermoluminescence peaks in Al2O3:C. Radiation Protection Dosimetry, 2006, 119, 71-74.	0.8	14
93	Thermoluminescence of some doped fluoride crystals. Radiation Measurements, 2008, 43, 245-248.	1.4	14
94	On the quasi-equilibrium assumptions in the theory of thermoluminescence (TL). Journal of Luminescence, 2013, 143, 734-740.	3.1	14
95	Thermal dependence of time-resolved blue light stimulated luminescence in Î±-Al2O3:C. Journal of Luminescence, 2013, 136, 270-277.	3.1	14
96	Excited state luminescence signals from a random distribution of defects: A new Monte Carlo simulation approach for feldspar. Journal of Luminescence, 2019, 207, 266-272.	3.1	14
97	Effects of Competition in the Stabilization of Point Defects. Physical Review B, 1972, 6, 4861-4867.	3.2	13
98	The computation of the exponential integral as related to the analysis of thermal processes. Journal of Thermal Analysis, 1974, 6, 585-586.	0.6	13
99	Vacuum ultra-violet induced thermoluminescence in Î³-irradiated and non-irradiated MgO powder. Philosophical Magazine and Journal, 1977, 35, 653-661.	1.7	13
100	Thermoluminescence Governed by Simultaneous Thermal Stimulation of Electrons and Holes. Physica Status Solidi (B): Basic Research, 1984, 126, 361-369.	1.5	13
101	Theoretical account of the sensitization and de-sensitization in quartz. Radiation Measurements, 1994, 23, 277-279.	1.4	13
102	Simulations of thermally transferred OSL experiments and of the ReSAR dating protocol for quartz. Radiation Measurements, 2009, 44, 634-638.	1.4	13
103	Monte Carlo simulations of TL and OSL in nanodosimetric materials and feldspars. Radiation Measurements, 2015, 81, 262-269.	1.4	13
104	The Application of Thermally Stimulated Processes to the Study of Defects in Perovskite Type Fluorides. Physica Status Solidi (B): Basic Research, 1988, 149, 45-54.	1.5	12
105	Optical and dosimetric properties of variously doped SrF2 crystals. Radiation Measurements, 2004, 38, 719-722.	1.4	12
106	Comparison of experimental and modelled quartz thermal-activation curves obtained using multiple- and single-aliquot procedures. Radiation Measurements, 2006, 41, 910-916.	1.4	12
107	A quantitative kinetic model for Al2O3:C: TL response to UV-illumination. Radiation Measurements, 2008, 43, 175-179.	1.4	12
108	Optically stimulated exoelectron emission processes in quartz: comparison of experiment and theory. Journal of Luminescence, 2009, 129, 1003-1009.	3.1	12

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109	Quartz radiofluorescence: a modelling approach. Journal of Luminescence, 2017, 186, 318-325.	3.1	12
110	On the kinetics of thermally stimulated conductivity. Chemical Physics Letters, 1970, 6, 125-127.	2.6	11
111	Explanation of the superlinear behaviour of thermoluminescence by considering the residual holes in the recombination centres before irradiation. Journal Physics D: Applied Physics, 1995, 28, 408-414.	2.8	11
112	Pre-Exponential Factor in General Order Kinetics of Thermoluminescence and its Influence on Glow Curves. Radiation Protection Dosimetry, 1997, 71, 93-97.	0.8	11
113	Evaluation of parameters from thermal desorption spectra â€“ methods borrowed from the analysis of thermoluminescence. Surface Science, 1998, 400, 258-265.	1.9	11
114	Superlinearity revisited: A new analytical equation for the dose response of defects in solids, using the Lambert W function. Journal of Luminescence, 2020, 227, 117553.	3.1	11
115	On the computation of the generalized integral in glow curve theory. Journal of Computational Physics, 1970, 6, 314-316.	3.8	10
116	On the relation between thermally stimulated conductivity and thermoluminescence maxima. Journal of Applied Physics, 1973, 44, 1393-1394.	2.5	10
117	Study of optical and dosimetric properties of doped fluoride crystals. Optical Materials, 2001, 16, 105-110.	3.6	10
118	A new look at the linear-modulated optically stimulated luminescence (LM-OSL) as a tool for dating and dosimetry. Radiation Measurements, 2009, 44, 344-350.	1.4	10
119	Superlinear dose response of thermoluminescence (TL) and optically stimulated luminescence (OSL) signals in luminescence materials: An analytical approach. Journal of Luminescence, 2012, 132, 1446-1455.	3.1	10
120	Time and dose-rate dependence of TL and OSL due to competition between excitation and fading. Radiation Measurements, 2015, 82, 115-121.	1.4	10
121	On the remainder of truncated asymptotic series. Journal of Computational Physics, 1971, 8, 156-161.	3.8	9
122	Generalization of a method for calculating activation energies of glow curves. Chemical Physics Letters, 1971, 11, 371-373.	2.6	9
123	Luminescence of CsGd2F7 Crystals. Radiation Protection Dosimetry, 2002, 100, 207-209.	0.8	9
124	Duplicitous thermoluminescence peak associated with a thermal release of electrons and holes from trapping states. Radiation Measurements, 2008, 43, 162-166.	1.4	9
125	Dependence of the excitation of glow curves on the absorption coefficient. Chemical Physics Letters, 1970, 7, 171-172.	2.6	8
126	Correlation between simultaneous thermally stimulated conductivity and thermoluminescence transientsâ€experimental case of stannic oxide monocrystals. Journal of Applied Physics, 1979, 50, 4345-4349.	2.5	8

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127	Sensitization of thermoluminescence in synthetic quartz â€” heat treatment and radiation effects. Journal of Luminescence, 1991, 48-49, 833-837.	3.1	8
128	Phototransferred Thermoluminescence of CaWO4 Crystals. Radiation Protection Dosimetry, 1999, 84, 131-133.	0.8	8
129	Thermoluminescence associated with two-hole recombination centers. Radiation Measurements, 2018, 115, 1-6.	1.4	8
130	Theoretical modelling of experimental diagnostic procedures employed during pre-dose dosimetry of quartz. Radiation Protection Dosimetry, 2006, 119, 111-114.	0.8	7
131	Nonlinear dose dependence of TL and LM-OSL within the one trap-one center model. Radiation Measurements, 2010, 45, 277-280.	1.4	7
132	Competition between long time excitation and fading of thermoluminescence (TL) and optically stimulated luminescence (OSL). Radiation Measurements, 2020, 136, 106422.	1.4	7
133	Modeling TL-like thermally assisted optically stimulated luminescence (TA-OSL). Radiation Measurements, 2013, 56, 6-12.	1.4	6
134	Study of the stability of the TL and OSL signals. Radiation Measurements, 2015, 81, 192-197.	1.4	6
135	Thermoluminescence associated with two-electron traps. Radiation Measurements, 2017, 99, 10-17.	1.4	6
136	Investigation of Phosphorescence Decay Using TL-like Presentation. Radiation Protection Dosimetry, 1986, 17, 443-446.	0.8	6
137	Excitation and preâ€excitation of glow curves in natural semiconducting diamonds. Journal of Chemical Physics, 1974, 60, 4804-4809.	3.0	5
138	Radiation effects in KMgF 3 crystals. Radiation Effects and Defects in Solids, 2002, 157, 583-588.	1.2	5
139	Defects induced in fluorides and oxides by VUV radiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 409-412.	0.8	5
140	Thermoluminescent relaxation of stable systems. Journal of Luminescence, 1990, 46, 251-259.	3.1	4
141	Luminescence of BaFCl: Eu²⁺and SrFCl : Eu²⁺. Radiation Effects and Defects in Solids, 1999, 150, 65-70.	1.2	4
142	The Role of Retrapping in Dose Dependence of Pulsed Optically Stimulated Luminescence. Radiation Protection Dosimetry, 2002, 100, 71-74.	0.8	4
143	Simulation of OSL Pulse-Annealing at Different Heating Rates: Conclusions Concerning the Evaluated Trapping Parameters and Lifetimes. Geochronometria, 2008, 30, 1-7.	0.8	4
144	Intrinsic superlinear dose dependence of thermoluminescence and optically stimulated luminescence at high excitation dose rates. Radiation Measurements, 2014, 71, 220-225.	1.4	4

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145	Thermoluminescence Theory and Analysis: Advances and Impact on Applications. , 2017, , 444-451.		4
146	On the various-heating-rates method for evaluating the activation energies of thermoluminescence peaks. Radiation Measurements, 2022, 150, 106692.	1.4	4
147	Radiation effects in polarized electrets â€“ applications to radiation dosimetry. Radiation Effects, 1984, 83, 161-183.	0.4	3
148	Optical and dosimetric properties of zircon. Radiation Protection Dosimetry, 2006, 119, 267-270.	0.8	3
149	On the initial-occupancy dependence of some luminescence phenomena under the one-trap-one-recombination-center (OTOR) model. Radiation Measurements, 2010, 45, 147-150.	1.4	3
150	Thermoluminescence governed by the Auger-recombination process. Radiation Measurements, 2019, 124, 40-47.	1.4	3
151	A Monte-Carlo study of the fading of TL and OSL signals in the presence of deep-level competitors. Radiation Measurements, 2020, 132, 106257.	1.4	3
152	A model explaining the inability of exciting thermoluminescence (TL) peaks in certain low temperature ranges. Radiation Measurements, 2021, 145, 106610.	1.4	3
153	Application of Thermoluminescence Theory to the Investigation of Thermoremanent Magnetization Curves. Australian Journal of Physics, 1973, 26, 249.	0.6	3
154	Effect of radiation physics on inherent statistics of glow curves from small samples or low doses. Radiation Measurements, 2022, 151, 106698.	1.4	3
155	Thermoluminescence in Sodium Silicate by uv Excitation. Journal of Chemical Physics, 1969, 51, 4530-4533.	3.0	2
156	Optimal location of a service facility as a problem in basic mechanics. American Journal of Physics, 1985, 53, 59-62.	0.7	2
157	Photoluminescence of mixed AgCl0.45Br0.55crystals. Journal Physics D: Applied Physics, 1993, 26, 1759-1763.	2.8	2
158	Studies of excitation, optical bleaching and thermal annealing of OSL in natural quartz. Journal Physics D: Applied Physics, 1996, 29, 1047-1050.	2.8	2
159	Sensitization and desensitization of the luminescence yield of Al2O3: C. Radiation Effects and Defects in Solids, 1998, 146, 237-241.	1.2	2
160	Irradiation effects in BaF2:CuCl2 and BaF2:Mn,Ce crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1110-1113.	0.8	2
161	Optical properties of some fluoride compounds and their application to dosimetry. Radiation Measurements, 2010, 45, 566-568.	1.4	2
162	Inherent statistics of glow curves from small samples and single grains. Journal of Luminescence, 2020, 226, 117389.	3.1	2

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163	Effects of photostimulation in natural zircon. Radiation Measurements, 2006, 41, 961-966.	1.4	1
164	A One Trap, Two Luminescence Centre TL Model. Radiation Protection Dosimetry, 1993, 47, 17-22.	0.8	1
165	The Variation of TL Properties of Synthetic Quartz by Thermal Annealing. Radiation Protection Dosimetry, 1990, 33, 193-195.	0.8	1
166	CONDUCTION BAND-VALENCE BAND THEORY OF TL AND OSL: EMPHASIS ON DELOCALIZED TRANSITIONS AND EXPLANATION ON SOME UNUSUAL EFFECTS. Radiation Protection Dosimetry, 2020, 192, 178-195.	0.8	1
167	More on writing. Physics Today, 1982, 35, 132-134.	0.3	0
168	Spectral Dependence of Optical Bleaching of PTTL in Quartz. Radiation Protection Dosimetry, 1996, 65, 69-72.	0.8	0
169	Developments in Luminescence and Display Materials Over the Last 100 Years as Reflected in Electrochemical Society Publications [Journal of the Electrochemical Society, 149, S69 (2002)]. Journal of the Electrochemical Society, 2003, 150, L8.	2.9	0
170	Dose Dependence of Thermoluminescence (TL) and Optically Stimulated Luminescence with Uniform Excitation. , 2006, , 253-330.		0
171	Thermoluminescence due to simultaneous recombination of two electrons into two-hole centers. Radiation Measurements, 2021, 141, 106521.	1.4	0
172	Recent Advances in the Theory of Thermoluminescence and Optically Stimulated Luminescence; Delocalized Transitions. , 2019, , 1-36.		0
173	Phototransfer Studies in Synthetic Quartz. Radiation Protection Dosimetry, 1993, 47, 37-40.	0.8	0