Adrie J J Bos

List of Publications by Year
in descending order

160 papers	7,238 citations	81900 39 h-index	62596 80 g-index
162 all docs	162 docs citations	162 times ranked	4383 citing authors

#	Article	IF	Citations
1	Luminescence dosimetry. Nature Reviews Methods Primers, 2022, 2, .	21.2	30
2	The effect of temperature and excitation energy of the high- and low-spin 4fâ†'5d transitions on charging of traps in Lu2O3:Tb,M (MÂ=ÂTi, Hf). Acta Materialia, 2022, 231, 117852.	7.9	10
3	Persistent luminescence excitation spectroscopy of BaAl2O4:Eu2+,Dy3+. Physica B: Condensed Matter, 2020, 593, 411947.	2.7	12
4	Synthesis optimization and charge carrier transfer mechanism in LiLuSiO4:Ce, Tm storage phosphor. Radiation Measurements, 2019, 127, 106147.	1.4	4
5	High Charge Carrier Storage Capacity in Lithium Lutetium Silicate Doped with Cerium and Thulium. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800502.	2.4	13
6	Alpha particle spectroscopy using FNTD and SIM superâ€resolution microscopy. Journal of Microscopy, 2018, 270, 326-334.	1.8	11
7	Alpha radiation dosimetry using Fluorescent Nuclear Track Detectors. Radiation Measurements, 2018, 113, 25-32.	1.4	6
8	The role of Ti in charge carriers trapping in the red-emitting Lu2O3:Pr,Ti phosphor. Journal of Luminescence, 2018, 194, 641-648.	3.1	13
9	On energy storage of Lu2O3:Tb,M (M=Hf, Ti, Nb) sintered ceramics: Glow curves, dose-response dependence, radiation hardness and self-dose effect. Journal of Alloys and Compounds, 2018, 769, 794-800.	5.5	10
10	Fluorescent nuclear track detectors for alpha radiation microdosimetry. Radiation Oncology, 2018, 13, 107.	2.7	8
11	Thermal ionization and thermally activated crossover quenching processes for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi><mml:mo>â^'</mml:mo> in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mrow>. Physical Review B, 2017, 95, .	3.2	59
12	Charge Carrier Trapping Processes in RE₂O₂S (RE = La, Gd, Y, and Lu). Journal of Physical Chemistry C, 2017, 121, 8760-8769.	3.1	38
13	Thermoluminescence as a Research Tool to Investigate Luminescence Mechanisms. Materials, 2017, 10, 1357.	2.9	188
14	Lu2O3-based storage phosphors. An (in)harmonious family. Coordination Chemistry Reviews, 2016, 325, 29-40.	18.8	35
15	Electronic Structure and Site Occupancy of Lanthanide-Doped (Sr, Ca)3(Y, Lu)2Ge3O12 Garnets: A Spectroscopic and First-Principles Study. Journal of Physical Chemistry C, 2016, 120, 28743-28752.	3.1	22
16	Study on the persistent luminescence of diopside nanotracers CaMgSi2O6: Eu2+, Mn2+, Pr3+. , 2016, , .		1
17	Controlled Electronâ€"Hole Trapping and Detrapping Process in GdAlO₃ by Valence Band Engineering. Journal of Physical Chemistry C, 2016, 120, 5916-5925.	3.1	73
18	Charge carrier storage properties and the vacuum referred binding energy scheme for Li2BaP2O7:Ln (Ln=Ce, Eu, TB, Yb). Journal of Luminescence, 2016, 170, 497-504.	3.1	13

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19	Spectroscopy, thermoluminescence and afterglow studies of CaLa4(SiO4)3O:Ln (Ln=Ce, Nd, Eu, Tb, Dy). Journal of Luminescence, 2015, 160, 321-327.	3.1	24
20	Wavelength-sensitive energy storage in Sr3MgSi2O8:Eu2+,Dy3+. Journal of Thermal Analysis and Calorimetry, 2015, 121, 29-35.	3.6	24
21	Control of electron transfer between Ce³⁺ and Cr³⁺ in the Y₃Al_{5â^'x}Ga_xO₁₂ host via conduction band engineering. Journal of Materials Chemistry C, 2015, 3, 5642-5651.	5.5	181
22	Low-temperature VUV photoluminescence and thermoluminescence of UV excited afterglow phosphor Sr₃Al_xSi_{1â^'x}O₅:Ce³⁺,Ln³⁺ (Ln) Tj ET Q q 0 0 0 rg BT /Over	2.6	38
23	Insight into the Thermal Quenching Mechanism for Y₃Al₅O₁₂:Ce³⁺ through Thermoluminescence Excitation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 25003-25008.	3.1	278
24	Electron tunnelling phenomena in YPO₄â€‰:â€‰Ce,Ln (Ln = Er, Ho, Nd, Dy). Journal Physics D: Applied Physics, 2014, 47, 335301.	2.8	47
25	Storage of Visible Light for Long-Lasting Phosphorescence in Chromium-Doped Zinc Gallate. Chemistry of Materials, 2014, 26, 1365-1373.	6.7	324
26	The in vivo activation of persistent nanophosphors for optical imaging of vascularization, tumours and grafted cells. Nature Materials, 2014, 13, 418-426.	27.5	855
27	Optical characterization and the energy level scheme for NaYP2O7:Ln3+ (Ln=Ce, Sm, Eu, Tb, Yb). Journal of Luminescence, 2014, 148, 353-358.	3.1	19
28	Measurements of high-temperature emission spectra of highly irradiated LiF:Mg,Cu,P (MCP-N) TL detectors. Radiation Measurements, 2013, 56, 183-186.	1.4	11
29	Revealing trap depth distributions in persistent phosphors. Physical Review B, 2013, 87, .	3.2	330
30	Spectral characteristic of high-dose high-temperature emission from LiF:Mg,Cu,P (MCP-N) TL detectors. Radiation Measurements, 2013, 53-54, 22-30.	1.4	15
31	Photon controlled electron juggling between lanthanides in compounds. Journal of Luminescence, 2013, 133, 45-50.	3.1	15
32	Persistent luminescence in MSi_2O_2N_2:Eu phosphors. Optical Materials Express, 2012, 2, 341.	3.0	66
33			

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37	Temperature and wavelength dependent trap filling in M2Si5N8:Eu (M=Ca, Sr, Ba) persistent phosphors. Journal of Luminescence, 2012, 132, 682-689.	3.1	84
38	Designing a Red Persistent Luminescence Phosphor: The Example of YPO₄:Pr³⁺,Ln³⁺ (Ln = Nd, Er, Ho, Dy). Journal of Physical Chemistry C, 2011, 115, 4217-4227.	3.1	196
39	Study of TL glow curves of YPO4 double doped with lanthanide ions. Radiation Measurements, 2011, 46, 1410-1416.	1.4	84
40	Explanation of anomalous heating rate dependence of thermoluminescence in YPO4:Ce3+,Sm3+ based on the semi-localized transition (SLT) model. Radiation Measurements, 2011, 46, 1376-1379.	1.4	69
41	Electron transfer processes in double lanthanide activated YPO4. Optical Materials, 2011, 33, 1019-1023.	3.6	31
42	Thermoluminescence excitation spectroscopy: A versatile technique to study persistent luminescence phosphors. Journal of Luminescence, 2011, 131, 1465-1471.	3.1	100
43	Fundamentals of Radiation Dosimetry. AIP Conference Proceedings, 2011, , .	0.4	4
44	Electron transfer process between Ce^{3 +}donor and Yb^{3 +}acceptor levels in the bandgap of Y₃Al₅O₁₂(YAG). Journal of Physics Condensed Matter, 2011, 23, 215502.	1.8	45
45	Monte-Carlo method for determining the quenching function from variable heating rate measurements. Radiation Measurements, 2010, 45, 284-287.	1.4	15
46	Energy levels in YPO4:Ce3+,Sm3+ studied by thermally and optically stimulated luminescence. Radiation Measurements, 2010, 45, 343-346.	1.4	56
47	Non-resonant X-ray/laser interaction spectroscopy as a method for assessing charge competition, trapping and luminescence efficiency in wide band-gap materials. Journal of Luminescence, 2010, 130, 1404-1414.	3.1	9
48	Carrier recombination processes and divalent lanthanide spectroscopy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YPO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:ms Physical Review B, 2010, 82, .	3.2	20
49	Probing electron transfer processes in Y PO₄:Ce, Sm by combined synchrotronâ€“laser excitation spectroscopy. Journal of Physics Condensed Matter, 2010, 22, 185403.	1.8	28
50	Analysis of the quartz OSL decay curve by differentiation. Radiation Measurements, 2009, 44, 588-593.	1.4	4
51	Optically stimulated luminescence signals under various stimulation modes assuming first-order kinetics. Physical Review B, 2009, 79, .	3.2	25
52	Direct evidence for the participation of band-tails and excited-state tunnelling in the luminescence of irradiated feldspars. Journal of Physics Condensed Matter, 2009, 21, 485505.	1.8	75
53	Effect of Electron Traps on Scintillation of Praseodymium Activated Lu$_3$Al$_5$O$_{12}$. IEEE Transactions on Nuclear Science, 2009, 56, 320-327.	2.0	42
54	Controlled electron and hole trapping in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YPO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:ms Physical Review B, 2009, 80, .	3.2	61

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55	Lanthanide level location and related thermoluminescence phenomena. Radiation Measurements, 2008, 43, 139-145.	1.4	92
56	Lanthanide energy levels in YPO4. Radiation Measurements, 2008, 43, 222-226.	1.4	128
57	Gamma ray induced radiation damage in. Radiation Measurements, 2008, 43, 497-501.	1.4	7
58	On the separation of quartz OSL signal components using different stimulation modes. Radiation Measurements, 2008, 43, 742-747.	1.4	21
59	CeBr$_{3}$ Scintillator Development for Possible Use in Space Missions. IEEE Transactions on Nuclear Science, 2008, 55, 1391-1396.	2.0	58
60	Gamma radiation hardness of Ø1″ × 1″ LaBr<inf>3</inf>:Ce, LaCl<inf>3</inf>:Ce, and CeBr<inf>3</inf> Scintillators. , 2008, , .		3
61	Lanthanide 4f-level location in lanthanide doped and cerium-lanthanide codoped NaLaF4 by photo- and thermoluminescence. Journal of Applied Physics, 2008, 104, .	2.5	54
62	Luminescence quenching by photoionization and electron transport in a LaAlO3:Ce3+ crystal. Journal of Applied Physics, 2007, 101, 083703.	2.5	36
63	Analysis of equivalent-dose distributions for single grains of quartz from modern deposits. Quaternary Geochronology, 2007, 2, 77-82.	1.4	23
64	A test case for anomalous fading correction in IRSL dating. Quaternary Geochronology, 2007, 2, 216-221.	1.4	121
65	Development and Characterization of Large La-Halide Gamma-Ray Scintillators for Future Planetary Missions. IEEE Transactions on Nuclear Science, 2007, 54, 873-878.	2.0	19
66	Gamma-Ray Induced Radiation Damage in ${m LaBr} _{3}{:}5char"25{m Ce}$ and ${m LaCl} _{3}{:}10char"25{m Ce}$ Scintillators. IEEE Transactions on Nuclear Science, 2007, 54, 1387-1391.	2.0	11
67	Assessment of the radiation tolerance of LaBr3:Ce scintillators to solar proton events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 785-793.	1.6	35
68	The hard X-ray response of Ce-doped lanthanum halide scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 158-162.	1.6	22
69	Measurement and simulation of proton induced activation of LaBr3:Ce. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 239-245.	1.6	5
70	Proton induced activation of LaBr3:Ce and LaCl3:Ce. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 902-905.	1.6	4
71	Î³-ray performance of a 1242cm3 LaCl3:Ce scintillation spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 110-114.	1.6	24
72	A modified SAR protocol for optical dating of individual grains from young quartz samples. Radiation Measurements, 2007, 42, 360-369.	1.4	149

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73	X-ray and gamma-ray response of a 2â€³Ã—2â€³ LaBr3:Ce scintillation detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 115-120.	1.6	111
74	Effect of Proton Dose, Crystal Size, and Cerium Concentration on Scintillation Yield and Energy Resolution of LaBr$_{3}$:Ce. IEEE Transactions on Nuclear Science, 2007, 54, 736-740.	2.0	22
75	Lanthanide level location and charge carrier trapping in LiLnSiO4:Ce3+,Sm3+, Ln = Y or Lu. Journal of Physics Condensed Matter, 2006, 18, 4503-4514.	1.8	27
76	Photostimulated luminescence from BaCl2:Eu2+ nanocrystals in lithium borate glasses following neutron irradiation. Applied Physics Letters, 2006, 89, 101902.	3.3	15
77	Development and Characterization of Large La-Halide Gamma-Ray Scintillators for Future Planetary Missions. , 2006, , .		2
78	Accurate calibration of a laboratory beta particle dose rate for dating purposes. Radiation Measurements, 2006, 41, 1020-1025.	1.4	26
79	Theory of thermoluminescence. Radiation Measurements, 2006, 41, S45-S56.	1.4	364
80	Broad-beam transmission data for new brachytherapy sources, Tm-170 and Yb-169. Radiation Protection Dosimetry, 2006, 118, 11-15.	0.8	28
81	Optically and thermally stimulated luminescence characteristics of MgO:Tb3+. Radiation Protection Dosimetry, 2006, 119, 130-133.	0.8	75
82	Some developments in neutron and charged particle dosimetry. Radiation Protection Dosimetry, 2006, 120, 331-336.	0.8	10
83	Optimizing detection filters for single-grain optical dating of quartz. Radiation Measurements, 2005, 40, 5-12.	1.4	17
84	Storage effect in LiRESiO4:Ce3+, Sm3+, RE=Y,Lu phosphor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 81-85.	1.6	17
85	Storage properties of Ce3+ doped haloborate phosphors enriched with 10B isotope. Journal of Applied Physics, 2004, 95, 7898-7902.	2.5	9
86	Fast-neutron OSL sensitivity of thallium-doped ammonium salts. Radiation Protection Dosimetry, 2004, 110, 319-323.	0.8	13
87	First microdosimetric measurements with a TEPC based on a GEM. Radiation Protection Dosimetry, 2004, 110, 839-843.	0.8	23
88	Passive detectors for neutron personal dosimetry: state of the art. Radiation Protection Dosimetry, 2004, 110, 195-200.	0.8	19
89	Luminescence and OSL study of the inorganic compounds Tl+-doped (NH4)2BeF4 and (NH4)2SiF6. Radiation Measurements, 2004, 38, 549-552.	1.4	7
90	Radiation induced defects in Sr2B5O9Br:Ce3+storage phosphor. Journal of Physics Condensed Matter, 2004, 16, 4131-4138.	1.8	7

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91	Ce3+ and Pr3+5d-energy levels in the (pseudo) perovskites KMgF3 and NaMgF3. Journal of Luminescence, 2003, 101, 175-183.	3.1	30
92	Design of a new tissue-equivalent proportional counter based on a gas electron multiplier. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 509, 262-267.	1.6	20
93	Gas electron multiplier (GEM) operation with tissue-equivalent gases at various pressures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 506, 160-165.	1.6	20
94	Luminescence and thermoluminescence of Sr2B5O9X:Ce3Â,AÂ(X Â Cl, Br, A Â NaÂ, KÂ) phosphors. Journal of Physics Condensed Matter, 2003, 15, 3471-3480.	1.8	10
95	Optical dating of young coastal dunes on a decadal time scale. Quaternary Science Reviews, 2003, 22, 1011-1017.	3.0	171
96	Photostimulated trap filling in Lu2SiO5:Ce3+. Journal of Physics Condensed Matter, 2002, 14, L99-L101.	1.8	20
97	The radial depthÂdose distribution of a188W/188Re Â line source measured with novel, ultra-thin TLDs in a PMMA phantom: comparison with Monte Carlo simulations. Physics in Medicine and Biology, 2002, 47, 3605-3627.	3.0	11
98	Storage phosphors for thermal neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 160-163.	1.6	14
99	Optically stimulated luminescence in KMgF/sub 3/:Ce/sup 3+/ comparison of dosimetric characteristics with Al/sub 2/O/sub 3/:C. IEEE Transactions on Nuclear Science, 2001, 48, 1143-1147.	2.0	14
100	Optically stimulated luminescence in hydrated magnesium sulfates. Radiation Measurements, 2001, 33, 693-697.	1.4	7
101	On the energy conversion in thermoluminescence dosimetry materials. Radiation Measurements, 2001, 33, 737-744.	1.4	36
102	High sensitivity thermoluminescence dosimetry. Nuclear Instruments & Methods in Physics Research B, 2001, 184, 3-28.	1.4	317
103	On the applicability of the AAPM TG-60/TG-43 dose calculation formalism to intravascular line sources: Proposal for an adapted formalism. Medical Physics, 2001, 28, 638-653.	3.0	21
104	Modelling of a188W/188Re beta line source for coronary brachytherapy by means of EGS4 Monte Carlo simulations. Physics in Medicine and Biology, 2000, 45, 1319-1334.	3.0	4
105	SEAD: A TLD System for the Determination of Man-Made Photon Doses in a Fluctuating Natural Background. Radiation Protection Dosimetry, 1999, 85, 227-232.	0.8	2
106	Thermally and Optically Stimulated Luminescence of AlN-Y2O3 Ceramics after Ionising Irradiation. Radiation Protection Dosimetry, 1999, 84, 207-210.	0.8	21
107	Optical Absorption Bands in LiF:Mg,Ti After Irradiation with Gamma-Rays and Alpha Particles. Radiation Protection Dosimetry, 1999, 84, 13-16.	0.8	3
108	Temperature dependent absorption spectrometry on LiF:Mg,Ti. Radiation Measurements, 1998, 29, 349-353.	1.4	15

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109	Optical and thermoluminescence properties of LiF:Cu, LiF:Mg,Cu and LiF:Mg,Cu,P single crystals. Radiation Measurements, 1998, 29, 365-372.	1.4	4
110	Thermoluminescence ofLuAlO3: Ce. Journal of Luminescence, 1997, 72-74, 756-758.	3.1	15
111	Thermoluminescence Properties of LiF(Mg,Cu,P) with Different Cu Concentrations. Radiation Protection Dosimetry, 1996, 65, 199-202.	0.8	20
112	Effects of Annealing on Glow Peak Parameters of LiF:Mg,Ti (TLD-100) Dosimetry Material. Radiation Protection Dosimetry, 1996, 65, 203-206.	0.8	4
113	Intrinsic Efficiencies of TL Materials. Radiation Protection Dosimetry, 1996, 65, 117-122.	0.8	6
114	CaS:Bi,Zn: A Promising New TL Material For High LET Dosimetry. Radiation Protection Dosimetry, 1996, 65, 329-332.	0.8	1
115	Spectroscopy and Thermoluminescence of LuAlO₃:Ce. Acta Physica Polonica A, 1996, 90, 377-384.	0.5	14
116	Thermoluminescence emission characteristics of LiF(Mg,Cu,P) with different dopant concentrations. Radiation Measurements, 1995, 24, 411-416.	1.4	26
117	Influence of thermal treatments on glow curve and thermoluminescence emission spectra of LiF:Mg,Cu,P. Radiation Measurements, 1995, 24, 239-247.	1.4	26
118	Dose response of thermoluminescence emission spectra of LiF:Mg,Ti with different Mg, Ti impurity concentrations. Radiation Measurements, 1995, 24, 431-434.	1.4	2
119	Comparison of â€˜blueâ€™ and â€˜infraredâ€™ emission bands in thermoluminescence of alkali feldspars. Radiation Measurements, 1995, 24, 513-518.	1.4	32
120	Effects of type of radiation on glow curve and thermoluminescence emission spectrum of CaF2:Tm. Radiation Measurements, 1995, 24, 401-405.	1.4	11
121	Scintillation and thermoluminescence properties of Lu 2 SiO 5 : Ce fast scintillation crystals. Journal of Luminescence, 1994, 60-61, 979-982.	3.1	50
122	Thermoluminescence emission spectra and optical bleaching of oligoclase. Radiation Measurements, 1994, 23, 349-353.	1.4	13
123	Afterglow and thermoluminescence properties of Lu2SiO5:Ce scintillation crystals. Journal of Physics Condensed Matter, 1994, 6, 4167-4180.	1.8	137
124	Effects of non-ideal heat transfer on the glow curve in thermoluminescence experiments. Journal Physics D: Applied Physics, 1994, 27, 1747-1756.	2.8	51
125	An Intercomparison of Glow Curve Analysis Computer Programs: II. Measured Glow Curves. Radiation Protection Dosimetry, 1994, , .	0.8	9
126	Study of ageing effects in LiF:Mg, Ti by analysis of thermoluminescence glow curves. Nuclear Tracks and Radiation Measurements (1993), 1993, 21, 163-167.	0.1	3

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127	A model for the influence of defect interactions during heating on thermoluminescence in LiF:Mg,Ti (TLD-100). Journal Physics D: Applied Physics, 1993, 26, 2255-2265.	2.8	29
128	An automated research facility for measuring thermoluminescence emission spectra using an optical multichannel analyzer. Review of Scientific Instruments, 1993, 64, 109-117.	1.3	29
129	Success and Failure of the Randall-Wilkins Model for Thermoluminescence in LiF(TLD). Radiation Protection Dosimetry, 1993, 47, 41-47.	0.8	13
130	An Intercomparison of Glow Curve Analysis Computer Programs: I. Synthetic Glow Curves. Radiation Protection Dosimetry, 1993, 47, 473-477.	0.8	87
131	Thermoluminescence Emission Spectra of LiF(TLD-100) After Different Thermal Treatments. Radiation Protection Dosimetry, 1993, 47, 91-94.	0.8	10
132	Confirmation of the Evolution of TLD-100 Glow Peaks 4 and 5 During Storage at Ambient Temperatures. Radiation Protection Dosimetry, 1993, 47, 231-234.	0.8	11
133	Success and Failure of the Randall-Wilkins Model for Thermoluminescence in LiF(TLD). Radiation Protection Dosimetry, 1993, 47, 41-47.	0.8	8
134	Thermoluminescence Emission Spectra of LiF(TLD-100) After Different Thermal Treatments. Radiation Protection Dosimetry, 1993, 47, 91-94.	0.8	5
135	Effects of cooling and heating rate on trapping parameters in LiF:Mg, Ti crystals. Journal Physics D: Applied Physics, 1992, 25, 1249-1257.	2.8	75
136	Exposure to Operating Staff During Cardiac Catheterisation Measured by Thermoluminescence Dosimetry. Radiation Protection Dosimetry, 1992, 43, 175-177.	0.8	12
137	An extension of the simple thermoluminescence model involving the influence of the defect mobility. Radiation Effects and Defects in Solids, 1991, 119-121, 69-74.	1.2	5
138	Comparative Study of Trapping Parameters of LiF (TLD-100) from Different Production Batches. Radiation Protection Dosimetry, 1990, 33, 7-10.	0.8	14
139	Influence of the Cooling Rate on Repeatability of LiF:Mg,Cu,P Thermoluminescent Chips. Radiation Protection Dosimetry, 1990, 33, 91-94.	0.8	13
140	Precision and Lower Detection Limit of TLD-100 with Glow Curve Analysis. Radiation Protection Dosimetry, 1990, 33, 251-253.	0.8	0
141	Influence of the Cooling Rate on Repeatability of LiF:Mg,Cu,P Thermoluminescent Chips. Radiation Protection Dosimetry, 1990, 33, 91-94.	0.8	0
142	Computerized analysis of glow curves from thermally activated processes. Journal of Applied Physics, 1988, 64, 3193-3200.	2.5	31
143	Sensitivity of CaF2 Thermoluminescent Materials to Fast Neutrons. Radiation Protection Dosimetry, 1988, 23, 405-408.	0.8	14
144	A Microprocessor Controlled Thermoluminescence Dosemeter Reader for Routine Use and Research. Radiation Protection Dosimetry, 1985, 11, 179-183.	0.8	8

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145	Radiation damage during micro-PIXE measurements on biological materials. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1985, 40, 763-767.	2.9	6
146	Incorporation routes of elements into human hair; implications for hair analysis used for monitoring. Science of the Total Environment, 1985, 42, 157-169.	8.0	57
147	Experimental comparison of synchrotron radiation with other modes of excitation of X rays for trace element analysis. Nuclear Instruments & Methods in Physics Research B, 1984, 3, 232-240.	1.4	56
148	Macro- and micro-PIXE analyses of biological and medical samples. Nuclear Instruments & Methods in Physics Research B, 1984, 3, 319-325.	1.4	7
149	On the incorporation of trace elements into human hair measured with micro-PIXE. Nuclear Instruments & Methods in Physics Research B, 1984, 3, 654-659.	1.4	24
150	Determination of magnesium isotopic ratios with a proton microprobe in chondrules of the allende meteorite. Nuclear Instruments & Methods in Physics Research B, 1984, 3, 695-699.	1.4	7
151	Analysis of fly ash by X-ray emission spectroscopy and proton microbeam analysis. Fuel, 1984, 63, 1357-1362.	6.4	26
152	Discrepancies between histological and physical methods for trace element mapping in the rat brain. Histochemistry, 1984, 81, 305-309.	1.9	13
153	The Analysis of Fly Ash Particles with a Proton Microbeam. IEEE Transactions on Nuclear Science, 1983, 30, 1236-1239.	2.0	9
154	Trace Element Mapping of Biological Tissues Using PIXE and XRF. IEEE Transactions on Nuclear Science, 1983, 30, 1243-1245.	2.0	11
155	The measurement of position dependent trace element concentrations with micro-proton induced X-ray emission. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1983, 38, 1209-1215.	2.9	22
156	A new way of assignment of concentrations in pixe analysis. Nuclear Instruments & Methods in Physics Research, 1982, 197, 139-146.	0.9	10
157	On the proton microbeam of the Vrije universiteit, Amsterdam, and its applications. Nuclear Instruments & Methods in Physics Research, 1982, 197, 179-184.	0.9	17
158	A proton microbeam under construction. Nuclear Instruments & Methods, 1981, 181, 131-133.	1.2	22
159	On the bromine metabolism in uraemia, measured with PIXE. Nuclear Instruments & Methods, 1981, 181, 293-295.	1.2	2
160	Perturbed Î³-Î³ angular correlations of 111mCd bound on DNA. Nuclear Instruments & Methods, 1979, 163, 265-267.	1.2	13