Joseph Schuyt

List of Publications by Year
in descending order

16	185	1162367 8	1125271 13
papers	citations	h-index	g-index

16	16	16	73
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiation-induced changes in the optical properties of NaMgF 3 (Sm): Observation of resettable Sm radio-photoluminescence. Materials Research Bulletin, 2018, 106, 455-458.	2.7	24
2	Development of a 2D dosimeter using the optically stimulated luminescence of NaMgF3:Eu with CCD camera readout. Radiation Measurements, 2019, 121, 99-102.	0.7	23
3	Photoluminescence of Dy3+ and Dy2+ in NaMgF3:Dy: A potential infrared radiophotoluminescence dosimeter. Radiation Measurements, 2020, 134, 106326.	0.7	21
4	Photoluminescence, radioluminescence and optically stimulated luminescence in nanoparticle and bulk KMgF3(Eu). Journal of Luminescence, 2018, 204, 472-479.	1.5	19
5	Oxygen-impurity charge transfer in NaMgF3:Ln (Ln = Yb, Sm, or Eu): Establishing the lanthanide energy levels in NaMgF3. Journal of Luminescence, 2019, 211, 413-417.	1.5	18
6	The effect of ionizing radiation on the optical properties of NaMgF3(Mn): Observation of an F-center Mn complex. Journal of Applied Physics, 2017, 122, .	1.1	15
7	The effect of Mn concentration on the luminescence properties of NaMgF3:Mn: Defect/Mn complex photoluminescence, radioluminescence, and optically stimulated luminescence for radiation dose monitoring. Optical Materials, 2018, 84, 763-770.	1.7	13
8	Modelling the radioluminescence of Sm²⁺ and Sm³⁺ in the dosimeter material NaMgF₃:Sm. Journal of Physics Condensed Matter, 2020, 32, 025703.	0.7	10
9	Quenching of the Sm2+ luminescence in NaMgF3:Sm via photothermal ionization: Alternative method to determine divalent lanthanide trap depths. Applied Physics Letters, 2019, 115, .	1.5	9
10	Radiation-induced changes in the photoluminescence properties of NaMgF3:Yb nanoparticles: Yb3+Ââ†'ÂYb2+ valence conversion and oxygen-impurity charge transfer. Materials Research Bulletin, 2022, 145, 111562.	2.7	7
11	Optical properties of Mn2+ doped CsCdF3: A potential real-time and retrospective UV and X-ray dosimeter material. Journal of Applied Physics, 2019, 125, .	1.1	6
12	Divalent and trivalent neodymium photoluminescence in NaMgF3:Nd. Journal of Luminescence, 2022, 247, 118867.	1.5	6
13	The effect of ionising radiation on the photoluminescence and radioluminescence properties of nanoparticle and bulk NaMgF3:Ce,Sm. Journal of Luminescence, 2020, 228, 117645.	1.5	5
14	Vacuum ultraviolet photoluminescence of NaMgF₃:Sm and NaMgF₃:Sm,Ce: energy levels of the lanthanides in NaMgF₃:Ln compounds. Methods and Applications in Fluorescence, 2022, 10, 035006.	1.1	5
15	F-centre/Mn complex photoluminescence in the fluoroperovskites AMgF3:Mn (A = Na, K, or Rb). Optical Materials: X, 2019, 1, 100010.	0.3	4
16	Dual electrical and optical detection of ionizing radiation: Radiation-induced currents and radioluminescence in NaMgF3:Sm. Materials Research Bulletin, 2021, 135, 111122.	2.7	0