

Joseph Schuyt

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

185
citations

1162367

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1125271

13
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16
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16
docs citations

16
times ranked

73
citing authors

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