

Michael Gaft

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

565
citations

759233

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h-index

677142

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all docs

23
docs citations

23
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Data fusion of LIBS and PIL hyperspectral imaging: Understanding the luminescence phenomenon of a complex mineral sample. <i>Analytica Chimica Acta</i> , 2022, 1192, 339368.	5.4	15
2	Rare-earth elements detection using diatomic molecular laser-induced plasma spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 192, 106426.	2.9	8
3	Polarization effects in laser-induced plasma lasers based on elements from the 13th group. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	6
4	Extending the potential of plasma-induced luminescence spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 177, 106111.	2.9	5
5	Atomic and molecular emission of beryllium by LIBS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 182, 106233.	2.9	7
6	Review on recent advances in analytical applications of molecular emission and modelling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 173, 105989.	2.9	22
7	Red photoluminescence and purple color of naturally irradiated fluorite. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	7
8	Luminescence of 5d ⁴ 4f transitions of Pr ³⁺ in natural fluorite CaF ₂ , anhydrite CaSO ₄ and apatite Ca ₅ (PO ₄) ₃ F. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	6
9	Halogen detection with molecular laser induced fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 166, 105813.	2.9	12
10	Laser-induced breakdown spectroscopy of BaF ₂ -Tm ³⁺ . <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 164, 105767.	2.9	2
11	Third harmonic generation in double-pulse laser induced air plasma. <i>Optics Communications</i> , 2019, 443, 63-68.	2.1	2
12	Imaging rare-earth elements in minerals by laser-induced plasma spectroscopy: Molecular emission and plasma-induced luminescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 151, 12-19.	2.9	34
13	Laser-induced time resolved luminescence of natural sylvite KCl. <i>Journal of Luminescence</i> , 2018, 195, 430-434.	3.1	0
14	Combining Laser-Induced Breakdown Spectroscopy with Molecular Laser-Induced Fluorescence. <i>Applied Spectroscopy</i> , 2016, 70, 585-592.	2.2	27
15	Modern Luminescence Spectroscopy of Minerals and Materials. <i>Springer Mineralogy</i> , 2015, , .	0.4	89
16	Industrial Online Raw Materials Analyzer Based on Laser-Induced Breakdown Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 1004-1015.	2.2	39
17	Elemental analysis of halogens using molecular emission by laser-induced breakdown spectroscopy in air. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 98, 39-47.	2.9	87
18	Plasma induced luminescence (PIL). <i>Optical Materials</i> , 2011, 34, 368-375.	3.6	16

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19	Sonochemical Preparation and Characterization of Europium Oxide Doped In and Coated On ZrO ₂ and Yttrium-Stabilized Zirconium (YSZ). Journal of Physical Chemistry B, 2000, 104, 7057-7065.	2.6	54
20	Luminescence of Pr ³⁺ in minerals. Optical Materials, 1999, 13, 71-79.	3.6	28
21	Luminescence of Eu(III), Pr(III) and Sm(III) in Carbonate-Fluor-Apatite. Acta Physica Polonica A, 1996, 90, 267-274.	0.5	11
22	Application of thermal treatment for the interpretation of photoluminescent centres in minerals. Journal of Thermal Analysis, 1993, 40, 67-78.	0.6	5
23	Thermal behaviour of limestone and monocrystalline calcite tempers during firing and their use in ancient vessels. Journal of Thermal Analysis, 1993, 40, 263-273.	0.6	83