

Michael Gaft

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

565
citations

759233

12
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Modern Luminescence Spectroscopy of Minerals and Materials. Springer Mineralogy, 2015, , .	0.4	89
2	Elemental analysis of halogens using molecular emission by laser-induced breakdown spectroscopy in air. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 98, 39-47.	2.9	87
3	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
4	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
5	Industrial Online Raw Materials Analyzer Based on Laser-Induced Breakdown Spectroscopy. Applied Spectroscopy, 2014, 68, 1004-1015.	2.2	39
6	Imaging rare-earth elements in minerals by laser-induced plasma spectroscopy: Molecular emission and plasma-induced luminescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 151, 12-19.	2.9	34
7	Luminescence of Pr ³⁺ in minerals. Optical Materials, 1999, 13, 71-79.	3.6	28
8	Combining Laser-Induced Breakdown Spectroscopy with Molecular Laser-Induced Fluorescence. Applied Spectroscopy, 2016, 70, 585-592.	2.2	27
9	Review on recent advances in analytical applications of molecular emission and modelling. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 173, 105989.	2.9	22
10	Plasma induced luminescence (PIL). Optical Materials, 2011, 34, 368-375.	3.6	16
11	Data fusion of LIBS and PIL hyperspectral imaging: Understanding the luminescence phenomenon of a complex mineral sample. Analytica Chimica Acta, 2022, 1192, 339368.	5.4	15
12	Halogen detection with molecular laser induced fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 166, 105813.	2.9	12
13	Luminescence of Eu(III), Pr(III) and Sm(III) in Carbonate-Fluor-Apatite. Acta Physica Polonica A, 1996, 90, 267-274.	0.5	11
14	Rare-earth elements detection using diatomic molecular laser-induced plasma spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 192, 106426.	2.9	8
15	Red photoluminescence and purple color of naturally irradiated fluorite. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	7
16	Atomic and molecular emission of beryllium by LIBS. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 182, 106233.	2.9	7
17	Luminescence of 5d ⁿ →4f transitions of Pr ³⁺ in natural fluorite CaF ₂ , anhydrite CaSO ₄ and apatite Ca ₅ (PO ₄) ₃ F. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	6
18	Polarization effects in laser-induced plasma lasers based on elements from the 13th group. Journal of Applied Physics, 2021, 129, .	2.5	6

#	ARTICLE	IF	CITATIONS
19	Application of thermal treatment for the interpretation of photoluminescent centres in minerals. <i>Journal of Thermal Analysis</i> , 1993, 40, 67-78.	0.6	5
20	Extending the potential of plasma-induced luminescence spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 177, 106111.	2.9	5
21	Third harmonic generation in double-pulse laser induced air plasma. <i>Optics Communications</i> , 2019, 443, 63-68.	2.1	2
22	Laser-induced breakdown spectroscopy of BaF ₂ -Tm ³⁺ . <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 164, 105767.	2.9	2
23	Laser-induced time resolved luminescence of natural sylvite KCl. <i>Journal of Luminescence</i> , 2018, 195, 430-434.	3.1	0