

# Lev Nagli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5117851/publications.pdf>

Version: 2024-02-01

72  
papers

1,287  
citations

430874

18  
h-index

395702

33  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1071  
citing authors

#	ARTICLE	IF	CITATIONS
1	UV gated Raman spectroscopy for standoff detection of explosives. <i>Optical Materials</i> , 2008, 30, 1739-1746.	3.6	149
2	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
3	The luminescence properties of Dy-doped high silicate glass. <i>Journal of Non-Crystalline Solids</i> , 1997, 217, 208-214.	3.1	74
4	Absolute Raman cross-sections of some explosives: Trend to UV. <i>Optical Materials</i> , 2008, 30, 1747-1754.	3.6	68
5	Laser-induced breakdown spectroscopy for on-line sulfur analyses of minerals in ambient conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1098-1104.	2.9	67
6	Optical properties of mixed silver halide crystals and fibers. <i>Journal of Applied Physics</i> , 1993, 74, 5737-5741.	2.5	42
7	The nature of blue luminescence from natural benitoite BaTiSi <sub>3</sub> O <sub>9</sub> . <i>Physics and Chemistry of Minerals</i> , 2004, 31, 365.	0.8	41
8	Industrial Online Raw Materials Analyzer Based on Laser-Induced Breakdown Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 1004-1015.	2.2	39
9	Medical applications of infrared transmitting silver halide fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1996, 2, 872-879.	2.9	36
10	Laser-induced time-resolved luminescence of tugtupite, sodalite and hackmanite. <i>Physics and Chemistry of Minerals</i> , 2009, 36, 127-141.	0.8	28
11	Scanning near-field infrared microscopy based on tapered silver halide probes. <i>Applied Physics Letters</i> , 2004, 84, 637-639.	3.3	27
12	Narrow gated Raman and luminescence of explosives. <i>Journal of Luminescence</i> , 2009, 129, 979-983.	3.1	27
13	Combining Laser-Induced Breakdown Spectroscopy with Molecular Laser-Induced Fluorescence. <i>Applied Spectroscopy</i> , 2016, 70, 585-592.	2.2	27
14	Intraband luminescence of CsI crystal. <i>Solid State Communications</i> , 1989, 71, 859-862.	1.9	26
15	The nature of unusual luminescence in natural calcite CaCO <sub>3</sub> . <i>American Mineralogist</i> , 2008, 93, 158-167.	1.9	26
16	Ordered bundles of infrared-transmitting AgClBr fibers: optical characterization of individual fibers. <i>Optics Letters</i> , 2000, 25, 1237.	3.3	25
17	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
18	Silver-halide fiber tip as a beam homogenizer for infrared hollow waveguides. <i>Optics Letters</i> , 1997, 22, 1308.	3.3	20

#	ARTICLE	IF	CITATIONS
19	Stimulated emission and lasing in laser-induced plasma plume. <i>Optics Communications</i> , 2016, 378, 41-48.	2.1	19
20	Plasma induced luminescence (PIL). <i>Optical Materials</i> , 2011, 34, 368-375.	3.6	16
21	Comparison of single and double-pulse excitation during the earliest stage of laser induced plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3207-3216.	3.7	16
22	Doubly ionized ion emission in laser-induced breakdown spectroscopy in air. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3229-3237.	3.7	16
23	Lasing effects in a laser-induced plasma plume. <i>Optics Communications</i> , 2015, 354, 330-332.	2.1	16
24	Laser-induced time-resolved luminescence of orange kyanite $Al_2SiO_5$ . <i>Optical Materials</i> , 2011, 33, 1476-1480.	3.6	15
25	Boron- and iron-bearing molecules in laser-induced plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 110, 56-62.	2.9	15
26	Laser-induced breakdown spectroscopy of Br and I molecules with alkali-earth elements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 157, 47-52.	2.9	15
27	Laser-induced time-resolved luminescence of natural titanite $CaTiOSiO_4$ . <i>Optical Materials</i> , 2003, 24, 231-241.	3.6	14
28	Scanning near field infrared radiometry for thermal imaging of infrared emitters with subwavelength resolution. <i>Applied Physics Letters</i> , 2005, 87, 101109.	3.3	14
29	Middle-infrared luminescence of praseodymium ions in silver halide crystals and fibers. <i>Optics Letters</i> , 2005, 30, 1831.	3.3	14
30	Gated Raman spectroscopy: potential for fundamental and applied mineralogy. <i>European Journal of Mineralogy</i> , 2009, 21, 33-42.	1.3	13
31	Laser-induced time-resolved luminescence of natural sillimanite $Al_2SiO_5$ and synthetic $Al_2SiO_5$ activated by chromium. <i>Journal of Luminescence</i> , 2012, 132, 2855-2862.	3.1	13
32	Laser-induced breakdown spectroscopy of Zr in short ultraviolet wavelength range. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 85, 93-99.	2.9	12
33	Halogen detection with molecular laser induced fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 166, 105813.	2.9	12
34	Stimulated emission in aluminum laser-induced plasma: kinetic model of population inversion. <i>Applied Optics</i> , 2017, 56, 695.	2.1	12
35	Raman spectroscopy of rare earth doped silver halide crystals. <i>Applied Physics Letters</i> , 2009, 94, 231907.	3.3	11
36	Laser-induced time-resolved luminescence of natural margarosanite $Pb(Ca, Mn)_2Si_3O_9$ , swedenborgite $NaBe_4SbO_7$ and walstromite $BaCa_2Si_3O_9$ . <i>European Journal of Mineralogy</i> , 2013, 25, 71-77.	1.3	11

#	ARTICLE	IF	CITATIONS
37	Stimulated emission in aluminum laser-induced plasma: an experimental study. <i>Applied Optics</i> , 2017, 56, 3699.	2.1	11
38	IR luminescence of Ni-doped silver bromide crystals. <i>Journal of Luminescence</i> , 1995, 65, 41-44.	3.1	10
39	Infrared luminescence of neodymium-doped silver bromide crystals. <i>Optics Letters</i> , 1995, 20, 2417.	3.3	10
40	Development of tapered silver-halide fiber tips for a scanning near-field microscope operating in the middle infrared. <i>Review of Scientific Instruments</i> , 2006, 77, 126103.	1.3	10
41	Middle-infrared luminescence of Nd ions in silver halide crystals. <i>Journal of Luminescence</i> , 2007, 126, 541-546.	3.1	10
42	Fraunhofer-type absorption line splitting and polarization in confocal double-pulse laser induced plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 88, 127-135.	2.9	10
43	Laser-induced time resolved luminescence of natural grossular $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$ . <i>Journal of Luminescence</i> , 2013, 137, 43-53.	3.1	10
44	Optical and luminescence properties of $\text{Co}:\text{AgClO}_2\text{Br}_{0.8}$ crystals and their potential applications as gain media for middle-infrared lasers. <i>Applied Physics Letters</i> , 2011, 99, 201111.	3.3	9
45	On the Reasons of the Off-Centre Position of Excited $\text{Ga}^{+}$ and $\text{In}^{+}$ Ions in Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 162, K91.	1.5	8
46	Middle infrared luminescence of $\text{Tb}^{3+}$ in silver halide crystals and fibers. <i>Journal of Luminescence</i> , 2008, 128, 1323-1330.	3.1	8
47	A scanning near-field middle-infrared microscope for the study of objects submerged in water. <i>Applied Physics Letters</i> , 2008, 92, 104104.	3.3	8
48	Cascade generation in Al laser induced plasma. <i>Optics Communications</i> , 2018, 415, 127-129.	2.1	8
49	Polarization of the laser induced plasma lasers. <i>Optics Communications</i> , 2019, 447, 51-54.	2.1	8
50	Optical properties of Pr ions in silver halide crystals in the middle infrared spectral range. <i>Optical Materials</i> , 2006, 28, 147-151.	3.6	7
51	Atomic and molecular emission of beryllium by LIBS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 182, 106233.	2.9	7
52	Effect of crater volume on laser-induced plasma lasers and Laser-Induced Breakdown Spectroscopy intensity. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 183, 106246.	2.9	7
53	Absorption spectrum of silver bromide crystals and fibers in the $9\text{--}11\ \mu\text{m}$ wavelength range. <i>Journal of Applied Physics</i> , 1997, 81, 1612-1613.	2.5	6
54	The visible and infrared luminescence of activated silver bromide crystals. <i>Optical Materials</i> , 1997, 8, 21-29.	3.6	6

#	ARTICLE	IF	CITATIONS
55	Collection-mode near-field scanning infrared microscope based on silver halide probes. Applied Physics Letters, 2004, 85, 5538-5540.	3.3	6
56	Polarization effects in laser-induced plasma lasers based on elements from the 13th group. Journal of Applied Physics, 2021, 129, .	2.5	6
57	CO <sub>2</sub> laser power transmission and laser induced breakdown in AgClxBr1-x crystals, polycrystals, and fibers. Applied Physics Letters, 1992, 61, 1624-1625.	3.3	5
58	Luminescence method for the study of Nd <sup>3+</sup> ions diffusion in AgBr crystals. Journal of Applied Physics, 1999, 85, 2114-2118.	2.5	5
59	The nature of red luminescence of natural benitoite BaTiSi <sub>3</sub> O <sub>9</sub> . Mineralogy and Petrology, 2005, 85, 33-44.	1.1	5
60	Luminescence of Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> (BGO) crystals under KrF and XeF laser excitation. Journal of Luminescence, 1993, 55, 139-143.	3.1	4
61	Diffusion of Pr <sup>3+</sup> ions in silver halide crystals. Optical Materials, 2001, 16, 243-248.	3.6	3
62	Configurational coordinate diagram of Ni <sup>2+</sup> doped silver halide crystals, as determined by optical and luminescence measurements. Journal of Luminescence, 2012, 132, 2072-2076.	3.1	3
63	Luminescence kinetics of iodine-doped silver bromide crystals: concentration and excitation intensity dependences. Journal of Physics Condensed Matter, 1996, 8, 6445-6456.	1.8	2
64	Rare earth ion diffusion in AgBr crystals. Optical Materials, 1999, 13, 89-95.	3.6	2
65	A Scanning Near-Field Infrared Microscope Based on AgClBr Fiber Probes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 19-28.	2.9	2
66	Third harmonic generation in double-pulse laser induced air plasma. Optics Communications, 2019, 443, 63-68.	2.1	2
67	Laser-induced breakdown spectroscopy of BaF <sub>2</sub> -Tm <sup>3+</sup> . Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 164, 105767.	2.9	2
68	IR Lasers and Application Systems for Myringotomy. Lasers in Medical Science, 2000, 15, 162-168.	2.1	1
69	Hanle effect in Ti Laser-Induced Plasma Lasers. Optics Communications, 2022, 517, 128292.	2.1	1
70	In <sup>+</sup> and V <sup>+</sup> Centres in a KCl-In Crystal. Physica Status Solidi (B): Basic Research, 1976, 73, 427-430.	1.5	0
71	Defects and luminescence in pure and i-doped AgBr crystals. Radiation Effects and Defects in Solids, 1995, 135, 301-303.	1.2	0
72	Laser-induced time resolved luminescence of natural sylvite KCl. Journal of Luminescence, 2018, 195, 430-434.	3.1	0