

Vladimir Yu Ivanov

List of Publications by Year in descending order

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840776

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all docs

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#	ARTICLE	IF	CITATIONS
1	Unusual x-ray excited luminescence spectra of NiO suggest self-trapping of the d exciton. <i>Physical Review B</i> , 2012, 86, 045111. http://www.w3.org/1998/Math/MathML	3.2	42
2	Electron excitation and luminescence in Bi ₄ Ge ₃ O ₁₂ and Bi ₄ Si ₃ O ₁₂ crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987, 261, 150-152.	1.6	24
3	Relaxation of electronic excitations in beryllium oxide: A time-resolved vacuum-UV spectroscopy study. <i>Physics of the Solid State</i> , 2001, 43, 1233-1240.	0.6	21
4	Intrinsic luminescence of rare-earth oxyorthosilicates. <i>Physics of the Solid State</i> , 2008, 50, 1692-1698.	0.6	21
5	Ce-doped Li ₆ Ln(BO ₃) ₃ (Ln=Y, Gd) Single crystals fibers grown by micro-pulling down method and luminescence properties. <i>Optical Materials</i> , 2013, 35, 868-874.	3.6	21
6	Intrinsic luminescence in oriented BeO crystals under VUV and inner-shell excitation. <i>Radiation Measurements</i> , 2007, 42, 742-745.	1.4	20
7	Short-wavelength luminescence and thermostimulated processes in single crystals of BeO. <i>Radiation Measurements</i> , 1995, 24, 417-421.	1.4	18
8	Luminescence and EPR spectroscopy of neutron-irradiated single crystals of magnesium aluminium spinel. <i>Radiation Measurements</i> , 2016, 90, 122-126.	1.4	17
9	Time-resolved luminescent VUV spectroscopy of F- and F ⁺ -centres in single BeO crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 353-357.	1.6	16
10	Luminescence excitation of pure and impure BeO single crystals using synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989, 282, 559-562.	1.6	14
11	Electronic Excitations in BeAl ₂ O ₄ , Be ₂ SiO ₄ , and Be ₃ Al ₂ Si ₆ O ₁₈ Crystals. <i>Physics of the Solid State</i> , 2005, 47, 466.	0.6	14
12	Luminescence of lithium triborate crystals under high intensity synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 359, 339-341.	1.6	11
13	Electronic excitations and energy transfer in A ₂ SiO ₅ (A=Y, Lu, Gd) and Sc ₂ SiO ₅ single crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 358-362.	1.6	9
14	Thermally and optically stimulated processes in additively colored beryllium oxide crystals. <i>Radiation Measurements</i> , 2008, 43, 349-352.	1.4	9
15	Low-temperature luminescence and thermoluminescence from BeO:Zn single crystals. <i>Optical Materials</i> , 2016, 62, 219-226.	3.6	9
16	New scintillation materials and scintiblocs for neutron and β -rays registration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 537, 415-423.	1.6	8
17	Low-energy charge transfer excitations in NiO. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 38, 012007.	0.6	8
18	Recombination-assisted creation of cation excitons and cross-luminescence quenching in CsCl crystals at high excitation densities. <i>Physics of the Solid State</i> , 2000, 42, 1052-1057.	0.6	7

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19	Metastable defects in beryllium oxide crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 325-329.	1.6	7
20	Luminescence of Pr ³⁺ Impurity Centers and Defects in Sr ₉ Sc (PO ₄) ₇ :Pr ³⁺ . Physics of the Solid State, 2019, 61, 758-762.	0.6	7
21	Resonant inelastic X-ray scattering at the Be 1s edge in BeO. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 299-302.	1.7	6
22	Self-trapping of the d-d charge transfer exciton in bulk NiO evidenced by X-ray excited luminescence. JETP Letters, 2012, 95, 528-533.	1.4	6
23	Ultraviolet luminescence of Li ₆ Gd(BO ₃) ₃ :Ce crystals under selective excitation in the region of 4d → 4f transitions. Physics of the Solid State, 2012, 54, 2039-2050.	0.6	6
24	Thermoluminescence and low-temperature luminescence of beryllium oxide. Radiation Measurements, 2016, 90, 14-17.	1.4	6
25	Luminescence excitation of colour centers in beryllium oxide. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 148-149.	1.6	5
26	Time-resolved spectroscopy of complex scintillators Al ₂ BeO ₄ , Be ₂ SiO ₄ and Al ₂ Be ₃ Si ₆ O ₁₈ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 417-421.	1.6	5
27	Neutron, ion and electron induced defects in activated LiF and NaF single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1126-1129.	0.8	5
28	Luminescence properties of Li ₆ Gd ₃ BO ₉ :Ce crystal fibers upon their excitation in the range of 4d → 4f core transitions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 115, 68-78.	0.6	5
29	Temperature dependent quantum cutting in cubic BaGdF ₅ :Eu ³⁺ nanophosphors. New Journal of Chemistry, 2021, 45, 1463-1473.	2.8	5
30	Energy Transfer in Gd ₂ SiO ₅ :Ce, Y ₂ SiO ₅ :Ce, and Be ₂ La ₂ O ₅ :Ce Crystals during Selective VUV and Core Excitation. Physics of the Solid State, 2005, 47, 1492.	0.6	4
31	Inner-shell excitation of intrinsic luminescence and resonantly excited X-ray fluorescence at Be 1s edge in oriented BeO crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 172-175.	1.6	4
32	The influence of temperature on narrow I ₁ and I ₂ lines in the luminescence spectrum of Ni _{0.6} Zn _{0.4} O. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 798-801.	0.6	4
33	Low-temperature luminescence and thermally stimulated luminescence of BeO: Mg single crystals. Physics of the Solid State, 2018, 60, 134-146.	0.6	4
34	Effects of irradiation of ZnO/CdS/Cu ₂ ZnSnSe ₄ /Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra. Materials Science in Semiconductor Processing, 2021, 121, 105301.	4.0	4
35	Time-resolved luminescence of complex wide-gap oxide crystals under inner-shell excitation. Radiation Measurements, 2004, 38, 575-578.	1.4	3
36	Photoluminescence properties of NaF:U,Cu bulk and fiber crystals. Optical Materials, 2006, 28, 1123-1127.	3.6	3

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37	Luminescence spectroscopy of NaF:U bulk and fiber crystals. Journal of Luminescence, 2007, 125, 259-265.	3.1	3
38	Time-resolved photoluminescence of LaBr ₃ :Ce scintillation crystals under ultrasoft X-ray excitation. Technical Physics Letters, 2012, 38, 784-788.	0.7	3
39	Exciton Lines in Luminescence Spectra of Ni _{1-x} Zn _x O under Inner Shell Excitation. Physics Procedia, 2015, 76, 120-124.	1.2	3
40	d charge transfer excitons in Zn _{1-x} Ni _x O under inner shell excitation. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 610-613.	0.8	3
41	Resonant inelastic x-ray scattering and VUV luminescence at the Be 1s edge in BeO. Journal of Physics Condensed Matter, 2010, 22, 375505.	1.8	2
42	The sub-bandgap energy loss satellites in the RIXS spectra of beryllium compounds. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 366-370.	1.7	2
43	Behavior of trapped electronic excitations in oxide crystals. Radiation Effects and Defects in Solids, 1999, 150, 95-101.	1.2	1
44	The particularity of radiation modification of surface of (Li,Na)F single crystals for thin scintillation layers and screen preparation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 286-290.	1.6	1
45	Ionoluminescence of Eu ²⁺ Eu ³⁺ Clusters in NaF : Eu Single Crystals. Physics of the Solid State, 2005, 47, 1470.	0.6	1
46	Energy transfer in neutron irradiated GdSiO ₂ Ce. Physics Procedia, 2009, 2, 349-352.	1.2	1
47	Time-resolved spectroscopy of natural and synthetic BeO crystals. Journal of Surface Investigation, 2010, 4, 671-674.	0.5	1
48	Synchrotron-excited luminescence of natural zircon. Geology of Ore Deposits, 2010, 52, 679-687.	0.7	1
49	Vacuum ultraviolet and X-ray emission spectroscopy of anion and cation excitons in oxide crystals. Journal of Surface Investigation, 2012, 6, 100-105.	0.5	1
50	Self-trapping of the d-d charge transfer exciton in rock-salt structured Zn _{1-x} Ni _x O evidenced by soft X-ray excited luminescence. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1329-1335.	0.8	1
51	Ion channeling in CuInSe ₂ single crystals. Nuclear Instruments & Methods in Physics Research B, 2013, 299, 24-28.	1.4	1
52	Luminescence of LaBr ₃ :Ce,Hf scintillation crystals under UV-VUV and X-ray excitation. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012047.	0.6	1
53	Photoluminescence and X-ray fluorescence of complex oxides upon selective photon excitation. Journal of Surface Investigation, 2015, 9, 1016-1021.	0.5	1
54	Thermally stimulated processes in Li and Cu doped alkali fluorides irradiated with electron beams of ultra-high dose. Journal of Physics: Conference Series, 2017, 830, 012143.	0.4	1

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55	Non-radiation creation of complex centers in wide-gap oxide crystals. Radiation Measurements, 2019, 123, 74-77.	1.4	1
56	Oriental effects in luminescence of wide-gap crystals under polarized synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 388-392.	1.6	0
57	The thermostimulated exoelectron emission of NaF:U,Me compounds after electron beam irradiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1028-1031.	0.8	0
58	Luminescence of uranium ions in sodium fluoride crystals. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.6	0
59	Low-temperature photoluminescence in $\text{Ni}_x\text{Mg}_{1-x}\text{O}$ nanocrystals. Low Temperature Physics, 2015, 41, 233-235.	0.6	0
60	Luminescence spectroscopy of excitons in $\text{Zn}_{1-x}\text{Ni}_x\text{O}$ oxides. Physica B: Condensed Matter, 2018, 536, 572-575.	2.7	0
61	The manifestation of excitons in low-temperature luminescence spectra of solid solutions of zinc and nickel oxides. Low Temperature Physics, 2019, 45, 224-227.	0.6	0
62	Ultrasonic relaxation of TeWB glasses at low temperatures. Results in Physics, 2021, 26, 104336.	4.1	0