

# Iryna V Markevich

## List of Publications by Year in descending order

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29  
papers

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1039406

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887659

17  
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docs citations

29  
times ranked

156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitivity degradation mechanism in CdS:Cu single crystals. <i>Physica Status Solidi A</i> , 1980, 60, 565-572.	1.7	43
2	The recharge-enhanced transformations of donor-acceptor pairs and clusters in CdS. <i>Journal of Physics and Chemistry of Solids</i> , 1982, 43, 475-479.	1.9	38
3	Photochemical Reactions at Low Temperatures in CdS Single Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1966, 13, 25-36.	0.7	33
4	Electrodifffusion of shallow donors in CdS crystals. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 2975-2978.	1.5	31
5	Mechanism of formation of highly conductive layer on ZnO crystal surface. <i>Solid State Communications</i> , 2005, 136, 475-478.	0.9	17
6	Influence of boric acid as a flux on the properties of ZnO ceramics. <i>Radiation Measurements</i> , 2010, 45, 468-471.	0.7	15
7	Acceptors related to group I elements in ZnO ceramics. <i>Journal of Luminescence</i> , 2012, 132, 1953-1956.	1.5	13
8	Photoluminescence, conductivity and structural study of terbium doped ZnO films grown on different substrates. <i>Materials Science in Semiconductor Processing</i> , 2019, 94, 51-56.	1.9	12
9	Photoluminescence engineering in polycrystalline ZnO and ZnO-based compounds. <i>AIMS Materials Science</i> , 2016, 3, 508-524.	0.7	12
10	Large CdS single crystals with a high optical strength. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 34, 12-17.	1.7	9
11	About the origin of center responsible for Cu-related blue emission band in ZnS:Cu. <i>Journal of Luminescence</i> , 2014, 145, 71-73.	1.5	9
12	Photoluminescence of ZnO ceramics sintered with a flux. <i>Solid State Communications</i> , 2009, 149, 866-868.	0.9	7
13	The mechanism of formation of interface barriers in ZnO:Mn ceramics. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
14	Centers of photosensitivity in ZnO. <i>Solid State Communications</i> , 2007, 144, 236-239.	0.9	6
15	Formation of MgZnO alloy under thermodynamic conditions. <i>Physica B: Condensed Matter</i> , 2014, 453, 123-126.	1.3	6
16	Effect of Li <sup>+</sup> co-doping on structural and luminescence properties of Mn <sup>4+</sup> activated magnesium titanate films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15613-15620.	1.1	6
17	The Effect of High Temperature Annealing on the Photoluminescence of ZnMgO Alloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800250.	0.8	6
18	Some Peculiarities of Impurity Diffusion in CdS Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 269-273.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Point defect formation in II-VI semiconductors at pulsed laser irradiation. Journal of Crystal Growth, 1990, 101, 285-288.	0.7	4
20	Correlation between Photoluminescent and Photoelectrical Properties of Mn-Doped ZnO. Ukrainian Journal of Physics, 2018, 63, 660.	0.1	4
21	The influence of carrier trapping on defect reaction activation energy in semiconductors (pseudo-effect of recombination enhanced diffusion). Journal of Physics and Chemistry of Solids, 1992, 53, 469-474.	1.9	3
22	Some peculiarities of thermostimulated conductivity and optical quenching of the photocurrent in crystals with the auger excitation of recombination centres. Physica Status Solidi A, 1978, 50, 767-770.	1.7	2
23	Influence of annealing on photoinduced phenomena in CdS. Journal Physics D: Applied Physics, 1985, 18, 677-683.	1.3	2
24	Competition of the self-activated and Mn-related luminescence in ZnS single crystals. Solid State Communications, 2018, 274, 31-35.	0.9	2
25	Photo-induced changes of photoconductivity and exciton luminescence in ZnO crystals. Physica Status Solidi (B): Basic Research, 2007, 244, 1549-1552.	0.7	1
26	Alteration of the luminescence spectra of sintered layers of CdS:Cu:Cl due to photostimulated processes. Journal of Applied Spectroscopy, 1981, 35, 1101-1103.	0.3	0
27	Photoelectrical and optical properties of ZnxCd1-x layers. Physica Status Solidi A, 1987, 100, 521-525.	1.7	0
28	Generation of metastable shallow donors induced by cooling in hexagonal II-VI semiconductors. Semiconductor Science and Technology, 1992, 7, 92-96.	1.0	0
29	Mechanism of light emission excited by Joule heating in ZnO crystals. Journal of Physics and Chemistry of Solids, 2011, 72, 980-982.	1.9	0