

# Evgeny Korostylev

## List of Publications by Year in descending order

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19  
papers

508  
citations

1040056

9  
h-index

888059

17  
g-index

19  
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19  
docs citations

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times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Doping and Its Impact on the Ferroelectric and Piezoelectric Properties of Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> . <i>Nanomaterials</i> , 2022, 12, 1483.	4.1	12
2	Green Lithography for Delicate Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2101533.	14.9	7
3	Nanoparticle-Doped Hybrid Polyelectrolyte Microcapsules with Controlled Photoluminescence for Potential Bioimaging Applications. <i>Polymers</i> , 2021, 13, 4076.	4.5	0
4	Controlling Charge Transfer from Quantum Dots to Polyelectrolyte Layers Extends Prospective Applications of Magneto-Optical Microcapsules. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35882-35894.	8.0	12
5	Impact of the Atomic Layer-Deposited Ru Electrode Surface Morphology on Resistive Switching Properties of TaO <sub>x</sub> -Based Memory Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55331-55341.	8.0	14
6	Broadband lumped-element Josephson parametric amplifier with single-step lithography. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	11
7	Temperature controlled Ru and RuO <sub>2</sub> growth via O* radical-enhanced atomic layer deposition with Ru(EtCp) <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2019, 151, 204701.	3.0	18
8	Mitigating wakeup effect and improving endurance of ferroelectric HfO <sub>2</sub> -ZrO <sub>2</sub> thin films by careful La-doping. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	110
9	Next-Generation Theranostic Agents Based on Polyelectrolyte Microcapsules Encoded with Semiconductor Nanocrystals: Development and Functional Characterization. <i>Nanoscale Research Letters</i> , 2018, 13, 30.	5.7	18
10	Improved Ferroelectric Switching Endurance of La-Doped Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2701-2708.	8.0	207
11	Mid-Cretaceous Tuor-Yuryakh Section of Kotelnyi Island, New Siberian Islands: How Does the Probable Basement of Sedimentary Cover of the Laptev Sea Look on Land?. <i>Stratigraphy and Geological Correlation</i> , 2018, 26, 403-432.	0.8	10
12	Impedance spectroscopy of single bacterial nanofilament reveals water-mediated charge transfer. <i>PLoS ONE</i> , 2018, 13, e0191289.	2.5	8
13	Using electron backscatter diffraction to investigate the influence of mechanical polishing on the state of the surface of diamond. <i>Journal of Surface Investigation</i> , 2017, 11, 125-129.	0.5	3
14	Ferroelectric properties of lightly doped La:HfO <sub>2</sub> thin films grown by plasma-assisted atomic layer deposition. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	69
15	Luminescent properties of diamond single crystals of pyramidal shape. <i>Physics of the Solid State</i> , 2016, 58, 2307-2311.	0.6	3
16	Erosion cell formation in the pulseless negative corona discharge. <i>Bulletin of the Lebedev Physics Institute</i> , 2015, 42, 71-76.	0.6	2
17	Structure and hydration processes in perfluorinated bilayer cation-exchange membranes. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 395-403.	0.9	0
18	Bremsstrahlung of nonrelativistic electrons in metals with allowance made for the polarization channel. <i>Journal of Experimental and Theoretical Physics</i> , 2010, 110, 107-113.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Nanocomposites based on polymethylmethacrylate and silica. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1039-1042.	0.6	3