

# Dmitrii E Utkin

## List of Publications by Year in descending order

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24  
papers

99  
citations

1684188

5  
h-index

1372567

10  
g-index

24  
all docs

24  
docs citations

24  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light emission from Ge(Si)/SOI self-assembled nanoislands embedded in photonic crystal slabs of various periods with and without cavities. <i>Semiconductor Science and Technology</i> , 2019, 34, 024003.	2.0	22
2	Near-infrared photoresponse in Ge/Si quantum dots enhanced by localized surface plasmons supported by aluminum nanodisks. <i>Journal of Applied Physics</i> , 2020, 128, 143101.	2.5	14
3	Quantum dot based mid-infrared photodetector enhanced by a hybrid metal-dielectric optical antenna. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 335105.	2.8	14
4	Dependence of light reflection of germanium Mie nanoresonators on their aspect ratio. <i>Optical Materials</i> , 2020, 109, 110466.	3.6	9
5	Near-Infrared Photoresponse in Ge/Si Quantum Dots Enhanced by Photon-Trapping Hole Arrays. <i>Nanomaterials</i> , 2021, 11, 2302.	4.1	9
6	Resonance reflection of light by ordered silicon nanopillar arrays with the vertical p-n junction. <i>Thin Solid Films</i> , 2019, 672, 109-113.	1.8	5
7	Fluorination of single-walled carbon nanotubes and their application in organic photovoltaic cells as an electron acceptor. <i>Russian Chemical Bulletin</i> , 2021, 70, 2427-2433.	1.5	5
8	The Power of EPR Techniques in Investigating Functionalization and Penetration into Fibers of Cotton-Bound Antimicrobial Peptides. <i>Applied Magnetic Resonance</i> , 2017, 48, 943-953.	1.2	4
9	Increase in the Photocurrent in Layers of Ge/Si Quantum Dots by Modes of a Two-Dimensional Photonic Crystal. <i>JETP Letters</i> , 2021, 113, 498-503.	1.4	4
10	Mid-infrared optical resonances in quantum dot photodetectors coupled with metallic gratings with different aperture diameters. <i>Current Applied Physics</i> , 2020, 20, 877-882.	2.4	3
11	Charge Photogeneration in Composites of Fluorinated Carbon Nanotubes and Semiconducting Polymer P3HT. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000161.	1.5	2
12	Enhancement of the Luminescence Signal from Self-Assembled Ge(Si) Nanoislands due to Interaction with the Modes of Two-Dimensional Photonic Crystals. <i>Semiconductors</i> , 2020, 54, 975-981.	0.5	2
13	Broadband Antireflection Coatings Composed of Subwavelength-Sized SiGe Particles. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2021, 57, 494-504.	0.6	2
14	Two-dimensional photonic crystals fabrication and close-packing by electron-beam lithography. , 2012, , .		1
15	Formation of Periodic Structures (2D-PhCs) by Scanning Electron Lithography. <i>Physics Procedia</i> , 2017, 86, 127-130.	1.2	1
16	Formation of 2D-PhCs with missing holes based on Si-layers by EBL. <i>Journal of Physics: Conference Series</i> , 2017, 917, 062030.	0.4	1
17	1,3,7,9-Tetraazaperylene frameworks: Synthesis, photoluminescence properties, and thin film morphology. <i>Dyes and Pigments</i> , 2018, 150, 252-260.	3.7	1
18	Formation of two-dimensional photonic crystals by electron-beam lithography. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Formation of DNA molecules ordered systems on silicon surfaces. , 2012, , .		0
20	Peculiarities of the AlN crystalline phase formation in a result of the electron-stimulated reconstruction transition (Å³31Å—Å³31)RÅ±Å9Å°Å~Å(1ÅÅ—Å1). Applied Surface Science, 2021, 541, 148548. 6.1	6.1	0
21	Shapes of Ge and Si Particles Created on a Si/SiO2 Substrate by Lift-off Technique. , 2021, , .		0
22	BROADBAND ANTIREFLECTION COATING COMPOSED OF RESONANT SIGE PARTICLES OF SUBWAVELENGTH SIZE. Avtometriya, 2021, 57, 58-69.	0.0	0
23	Effect of Adhesive Layers on Photocurrent Enhancement in Near-Infrared Quantum-Dot Photodetectors Coupled with Metal-Nanodisk Arrays. Semiconductors, 2021, 55, 654.	0.5	0
24	Heteroepitaxial Barium Strontium Niobate Films: Structure, Lattice Dynamics, and Dielectric Properties in the Range 0.1â€“2.5 THz. Inorganic Materials, 2022, 58, 56-63.	0.8	0