

# Jolanta Borysiuk

## List of Publications by Year in descending order

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27  
papers

446  
citations

933264

10  
h-index

713332

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

877  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature quantum anomalous Hall regime in a MnBi <sub>2</sub> Te <sub>4</sub> /Bi <sub>2</sub> Te <sub>3</sub> superlattice. Nature Physics, 2021, 17, 36-42.	6.5	99
2	Liquid-Crystalline Phases Made of Gold Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 5167-5169.	7.2	96
3	Structural and magnetic properties of iron nanowires and iron nanoparticles fabricated through a reduction reaction. Beilstein Journal of Nanotechnology, 2015, 6, 1652-1660.	1.5	39
4	Enhanced catalyst-free nucleation of GaN nanowires on amorphous Al <sub>2</sub> O <sub>3</sub> by plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 2014, 115, 043517.	1.1	27
5	Ab initio and experimental studies of polarization and polarization related fields in nitrides and nitride structures. AIP Advances, 2017, 7, .	0.6	23
6	Two stage epitaxial growth of wafer-size multilayer h-BN by metal-organic vapor phase epitaxy – a homoepitaxial approach. 2D Materials, 2021, 8, 015017.	2.0	20
7	A new strategy towards electroactive polymer-inorganic nanostructure composites. Silver nanoparticles inside polypyrrole matrix with pendant titanocene dichloride complexes. Journal of Electroanalytical Chemistry, 2011, 662, 105-115.	1.9	19
8	Electronic, Electrochemical, and Spectroelectrochemical Properties of Hybrid Materials Consisting of Carboxylic Acid Derivatives of Oligothiophene and CdSe Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 3487-3493.	1.5	18
9	Growth of Graphene Layers on Silicon Carbide. Materials Science Forum, 0, 615-617, 199-202.	0.3	15
10	High temperature annealing of iron nanowires. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 862-866.	0.8	15
11	Experimental and theoretical analysis of influence of barrier composition on optical properties of GaN/AlGa <sub>n</sub> multi-quantum wells: Temperature- and pressure-dependent photoluminescence studies. Journal of Alloys and Compounds, 2018, 769, 1064-1071.	2.8	9
12	Triple threshold lasing from a photonic trap in a Te/Se-based optical microcavity. Communications Physics, 2019, 2, .	2.0	9
13	High-spin configuration of Mn in Bi <sub>2</sub> Se <sub>3</sub> three-dimensional topological insulator. Journal of Magnetism and Magnetic Materials, 2016, 419, 301-308.	1.0	8
14	Growth Rate and Thickness Uniformity of Epitaxial Graphene. Materials Science Forum, 0, 645-648, 569-572.	0.3	7
15	Graphene Growth on C and Si-Face of 4H-SiC – TEM and AFM Studies. Materials Science Forum, 2010, 645-648, 577-580.	0.3	5
16	Instantaneous decay rate analysis of time resolved photoluminescence (TRPL): Application to nitrides and nitride structures. Journal of Alloys and Compounds, 2020, 823, 153791.	2.8	5
17	Electronic and structural properties of $B_{i-2}S_{i+2}Cu$	0.9	4
18	Optical Transmission of Epitaxial Graphene Layers on SiC in the Visible Spectral Range. Materials Science Forum, 0, 645-648, 615-618.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Transient absorption study on the influence of several polyphenylene vinylene derivatives on the exciton lifetimes in lead(II) sulfide quantum dots. <i>Chemical Physics Letters</i> , 2012, 532, 77-83.	1.2	3
20	Experimental and theoretical investigation of graphene layers on SiC(0001 $\bar{A}$ ) in different stacking arrangements. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, 03D117.	0.6	2
21	Influence of a parallel electric field on the dispersion relation of graphene – A new route to Dirac logics. <i>Journal of Crystal Growth</i> , 2014, 401, 869-873.	0.7	2
22	The Influence of Annealing on the Optical Properties and Microstructure Recrystallization of the TiO <sub>2</sub> Layers Produced by Means of the E-BEAM Technique. <i>Materials</i> , 2021, 14, 5863.	1.3	2
23	Structural and magnetic properties of MnAs/GaAs ferromagnetic semiconductor nanocomposite material. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 740-743.	1.1	1
24	Structural and Chemical Characterization of Al(Ga)N/GaN Quantum Well Structures Grown by Plasma Assisted Molecular Beam Epitaxy. <i>Solid State Phenomena</i> , 2012, 186, 70-73.	0.3	1
25	TEM Investigations of Graphene on 4H-SiC(0001). <i>Materials Science Forum</i> , 2009, 615-617, 207-210.	0.3	0
26	HRTEM and LACBED of Zigzag Boundaries in GaN Epilayers. <i>Solid State Phenomena</i> , 0, 203-204, 24-27.	0.3	0
27	Resolution of near-field to near-field imaging with silver nanolayer. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0