

Arkusz K&A,opotowski

List of Publications by Year in descending order

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84
papers

1,071
citations

393982

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84
docs citations

84
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer excitons in MoSe ₂ /2D perovskite hybrid heterostructures – the interplay between charge and energy transfer. <i>Nanoscale</i> , 2022, 14, 8085-8095.	2.8	11
2	Giant enhancement of second harmonic light intensity in waveguiding core/shell ZnTe/ZnMgTe nanowires. <i>Applied Physics Letters</i> , 2021, 118, 192106.	1.5	0
3	How Surface Proximity to Copper Dopants Affects Photoluminescence of CdSe Colloidal Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16827-16836.	1.5	4
4	Nonradiative Energy Transfer and Selective Charge Transfer in a WS ₂ /(PEA) ₂ PbI ₄ Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33677-33684.	4.0	10
5	Ultraslow Spin Relaxation Dynamics in Colloidal Copper-Doped CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1042-1052.	1.5	4
6	Excitation efficiency determines the upconversion luminescence intensity of ² -NaYF ₄ :Er ³⁺ ,Yb ³⁺ nanoparticles in magnetic fields up to 70 T. <i>Nanoscale</i> , 2020, 12, 20300-20307.	2.8	15
7	Influence of copper dopants on the photoluminescence of single CdTe quantum dots. <i>Journal of Applied Physics</i> , 2020, 127, 024306.	1.1	0
8	Influence of oversized cations on electronic dimensionality of d-MAPbI ₃ crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7928-7934.	2.7	1
9	Unmodified Rose Bengal photosensitizer conjugated with NaYF ₄ :Yb,Er upconverting nanoparticles for efficient photodynamic therapy. <i>Nanotechnology</i> , 2020, 31, 465101.	1.3	21
10	Copper Doping of Low-Dimensional Se-Based Semiconductor Structures Grown by Molecular Beam Epitaxy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19938-19944.	1.5	0
11	Giant Fine Structure Splitting of the Bright Exciton in a Bulk MAPbBr ₃ Single Crystal. <i>Nano Letters</i> , 2019, 19, 7054-7061.	4.5	41
12	Non equilibrium anisotropic excitons in atomically thin ReS ₂ . <i>2D Materials</i> , 2019, 6, 015012.	2.0	23
13	Long-lived photoluminescence polarization of localized excitons in liquid exfoliated monolayer enriched WS ₂ . <i>Nanotechnology</i> , 2018, 29, 335703.	1.3	3
14	Intervalley Scattering of Interlayer Excitons in a MoS ₂ /MoSe ₂ /MoS ₂ Heterostructure in High Magnetic Field. <i>Nano Letters</i> , 2018, 18, 3994-4000.	4.5	27
15	Probing the Interlayer Exciton Physics in a MoS ₂ /MoSe ₂ /MoS ₂ van der Waals Heterostructure. <i>Nano Letters</i> , 2017, 17, 6360-6365.	4.5	118
16	Observation of A _{1g} Raman mode splitting in few layer black phosphorus encapsulated with hexagonal boron nitride. <i>Nanoscale</i> , 2017, 9, 19298-19303.	2.8	9
17	Synthesis and magneto-optic characterization of Cu-doped ZnO/MgO and ZnO/oleic acid core/shell nanoparticles. <i>RSC Advances</i> , 2016, 6, 44820-44825.	1.7	7
18	Onset of exciton-exciton annihilation in single-layer black phosphorus. <i>Physical Review B</i> , 2016, 94, .	1.1	45

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19	Revealing the nature of excitons in liquid exfoliated monolayer tungsten disulphide. Nanotechnology, 2016, 27, 425701.	1.3	13
20	Magnetoexcitons in large area CVD-grown monolayer MoS_2 and MoSe_2 on sapphire. Physical Review B, 2016, 93, .	1.1	19
21	Exciton and carrier dynamics in ZnTe/ZnMgTe core/shell nanowires. Physical Review B, 2016, 93, .	1.1	0
22	Optical signatures of spin-dependent coupling in semimagnetic quantum dot molecules. Physical Review B, 2015, 92, .	1.1	0
23	Spin Splitting Anisotropy in Single Diluted Magnetic Nanowire Heterostructures. Nano Letters, 2015, 15, 1972-1978.	4.5	19
24	Photoluminescence study of the increased hole confinement in CdTe quantum dots (Presentation) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.8	0
25	Engineering the hole confinement for CdTe-based quantum dot molecules. Journal of Applied Physics, 2015, 117, .	1.1	2
26	Facile synthesis of core/shell ZnO/ZnS nanofibers by electrospinning and gas-phase sulfidation for biosensor applications. Physical Chemistry Chemical Physics, 2015, 17, 24029-24037.	1.3	33
27	Stark spectroscopy of CdTe and CdMnTe quantum dots embedded in n-i-p diodes. Journal of Applied Physics, 2014, 115, 203512.	1.1	2
28	Strain-induced energy gap variation in ZnTe/ZnMgTe core/shell nanowires. Applied Physics Letters, 2014, 104, .	1.5	13
29	Strong s-d exchange coupling in ZnMnTe/ZnMgTe core/shell nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1308-1311.	0.8	1
30	Magnetic field influence on optical properties of $\text{Cd}_{1-x}\text{Mn}_x\text{S}$ ($x=0; 0.3$) quantum dots: Photoluminescence study. Journal of Alloys and Compounds, 2013, 553, 75-78.	2.8	2
31	Molecular beam epitaxy of semi-magnetic quantum dots. , 2013, , 529-545.		2
32	Light- and environment-sensitive electrospun ZnO nanofibers. RSC Advances, 2013, 3, 5656.	1.7	16
33	Optimization of nitrogen plasma source parameters by measurements of emitted light intensity for growth of GaN by molecular beam epitaxy. Thin Solid Films, 2013, 534, 107-110.	0.8	23
34	Influence of exciton spin relaxation on the photoluminescence spectra of semimagnetic quantum dots. Physical Review B, 2013, 87, .	1.1	13
35	Activation of an intense near band edge emission from ZnTe/ZnMgTe core/shell nanowires grown on silicon. Nanotechnology, 2013, 24, 365201.	1.3	13
36	Exciton recombination dynamics in single ZnO tetrapods. , 2013, , .		0

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37	Identification of Optical Transitions from CdTe and CdMnTe Quantum Dots Embedded in ZnTe Nanowires. Acta Physica Polonica A, 2013, 124, 824-826.	0.2	0
38	Optical study of electron-electron exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2013, 87, .	1.1	15
39	In-plane radiative recombination channel of a dark exciton in self-assembled quantum dots. Physical Review B, 2012, 86, .	1.1	42
40	Magnetic Fe doped ZnO nanofibers obtained by electrospinning. Journal of Sol-Gel Science and Technology, 2012, 61, 494-500.	1.1	34
41	Magnetophotoluminescence study of intershell exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2011, 84, .	1.1	36
42	Tuning the inter-shell splitting in self-assembled CdTe quantum dots. Applied Physics Letters, 2011, 99, .	1.5	10
43	Stark spectroscopy and radiative lifetimes in single self-assembled CdTe quantum dots. Physical Review B, 2011, 83, .	1.1	17
44	Magnetic polaron formation and exciton spin relaxation in single Cd \times quantum dots. Physical Review B, 2011, 83, .	1.1	17
45	Charging Effects in Self-Assembled CdTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 819-829.	0.2	1
46	Spectroscopy of Indirect Excitons in Vertically Stacked CdTe Quantum Dot Structures. Acta Physica Polonica A, 2011, 120, 856-858.	0.2	2
47	Charge storage in self-assembled CdTe quantum dots. Journal of Physics: Conference Series, 2010, 210, 012007.	0.3	2
48	Quantum Confined Stark Effect in Single Self-Assembled CdTe Quantum Dots. , 2010, , .		0
49	CdTe Quantum Dots in a Field Effect Structure: Photoluminescence Lineshape Analysis. , 2010, , .		0
50	Dynamics of charge leakage from self-assembled CdTe quantum dots. Applied Physics Letters, 2010, 96, 201905.	1.5	3
51	Photoluminescence of highly doped Cd $_{1-x}$ Mn $_x$ S nanocrystals. Journal of Alloys and Compounds, 2010, 497, 46-51.	2.8	16
52	Optical Study of ZnTe-Based 2D and 0D Photonic Structures Containing CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2009, 116, 888-889.	0.2	7
53	Photoluminescence and far-infrared spectroscopy of PbS quantum dots in Polyvinyl alcohol nanocomposite. Optical Materials, 2008, 30, 1177-1182.	1.7	19
54	Electrical and optical charging of CdTe quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2516-2519.	0.8	1

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55	Ultrafast tailoring of the exciton distribution in quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1064-1066.	0.7	1
56	Mapping of quantum well eigenstates with semimagnetic probes. <i>Physical Review B</i> , 2008, 77, .	1.1	1
57	Photoluminescence Properties of ZnO Nanowires Grown on Ni Substrate. <i>Acta Physica Polonica A</i> , 2008, 114, 1451-1456.	0.2	5
58	Photoluminescence study and structural characterization of p-type ZnO doped by N and/or As acceptors. <i>Semiconductor Science and Technology</i> , 2007, 22, 10-14.	1.0	49
59	Polariton and spin dynamics in semiconductor microcavities under non-resonant excitation. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 295204.	0.7	12
60	Semiconductor heterostructures for spintronics and quantum information. <i>Comptes Rendus Physique</i> , 2007, 8, 243-252.	0.3	5
61	Photoluminescence Properties of ZnO and ZnCdO Nanowires. <i>Acta Physica Polonica A</i> , 2007, 112, 357-362.	0.2	5
62	p-type ZnO and ZnMnO by oxidation of Zn(Mn)Te films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 988-991.	0.8	10
63	Magneto-optical properties of the diluted magnetic semiconductor -type ZnMnO. <i>Solid State Communications</i> , 2006, 139, 541-544.	0.9	20
64	Optical anisotropy and pinning of the linear polarization of light in semiconductor microcavities. <i>Solid State Communications</i> , 2006, 139, 511-515.	0.9	77
65	Dynamics of relaxation and trapping of excitons in Al _x Ga _{1-x} As films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 906-909.	0.8	0
66	Polarization dynamics of microcavity polaritons: Three excitation regimes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 357-361.	0.8	3
67	Exciton Relaxation and Spin Dynamics in Al _x Ga _{1-x} As Films. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
68	Polarization of Light Emission in Semiconductor Microcavities: Dispersion Mapping. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
69	Influence of trapping on the exciton dynamics of Al _x Ga _{1-x} As films. <i>Applied Physics Letters</i> , 2005, 86, 111906.	1.5	5
70	Optical Properties of a Semimagnetic Quantum Well in a Proximity of a Superconducting Film. <i>Acta Physica Polonica A</i> , 2005, 108, 741-748.	0.2	0
71	Tunnelling of spin-polarized holes in asymmetric double quantum well structures. <i>Semiconductor Science and Technology</i> , 2004, 19, S380-S382.	1.0	2
72	Optical spin injection and tunneling in asymmetric coupled II-VI quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 680-687.	0.7	7

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73	Dynamics of Polariton Emission in the Linear Regime. Acta Physica Polonica A, 2004, 106, 443-450.	0.2	2
74	Time-Resolved Emission from Semiconductor Microcavities. Acta Physica Polonica A, 2004, 106, 435-442.	0.2	0
75	Hanle Effect of Charged and Neutral Excitons in Quantum Wells. Journal of Superconductivity and Novel Magnetism, 2003, 16, 435-437.	0.5	2
76	Spin Conserving Tunneling in Asymmetric Double Quantum Well Structures. Physica Status Solidi (B): Basic Research, 2002, 229, 769-774.	0.7	15
77	Exciton and Charged Exciton Absorption in Asymmetric Double Quantum Well Structures. Physica Status Solidi A, 2002, 190, 793-798.	1.7	3
78	Effective spin diffusion across hugely lattice mismatched heterointerfaces. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 547-551.	1.3	2
79	Trions as a probe of spin injection through II-VI magnetic/non-magnetic heterointerface. Thin Solid Films, 2002, 412, 30-33.	0.8	1
80	Spin Conserving Tunneling in Asymmetric Double Quantum Well Structures. Physica Status Solidi (B): Basic Research, 2002, 229, 769-774.	0.7	1
81	Tunneling of spin polarized excitons in CdTe based asymmetric double quantum well structure. Solid State Communications, 2001, 119, 147-151.	0.9	10
82	Optical injection of spin-polarized carriers across a strongly mismatched heterostructure. Solid State Communications, 2001, 119, 371-376.	0.9	21
83	Influence of local potentials on spin-splitting in diluted magnetic semiconductors. Journal of Crystal Growth, 1998, 184-185, 992-995.	0.7	2
84	Mechanism of Electronic Coupling in Hybrid Transition Metal Dichalcogenide-2D Perovskite Heterostructures. , 0, , .		0