

Arkusz K&A,opotowski

List of Publications by Year in descending order

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84
papers

1,071
citations

393982

19
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454577

30
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84
all docs

84
docs citations

84
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Interlayer Exciton Physics in a MoS ₂ /MoSe ₂ /MoS ₂ van der Waals Heterostructure. Nano Letters, 2017, 17, 6360-6365.	4.5	118
2	Optical anisotropy and pinning of the linear polarization of light in semiconductor microcavities. Solid State Communications, 2006, 139, 511-515.	0.9	77
3	Magnetoexcitons in large area CVD-grown monolayer MoS ₂ on sapphire. Physical Review B, 2016, 93, .	1.1	66
4	Photoluminescence study and structural characterization of p-type ZnO doped by N and/or As acceptors. Semiconductor Science and Technology, 2007, 22, 10-14.	1.0	49
5	Onset of exciton-exciton annihilation in single-layer black phosphorus. Physical Review B, 2016, 94, .	1.1	45
6	Magnetic polaron formation and exciton spin relaxation in single Cd _{1-x} Mn _x Te. Physical Review B, 2012, 86, .	1.1	42
7	In-plane radiative recombination channel of a dark exciton in self-assembled quantum dots. Physical Review B, 2012, 86, .	1.1	42
8	Giant Fine Structure Splitting of the Bright Exciton in a Bulk MAPbBr ₃ Single Crystal. Nano Letters, 2019, 19, 7054-7061.	4.5	41
9	Magnetophotoluminescence study of intershell exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2011, 84, .	1.1	36
10	Magnetic Fe doped ZnO nanofibers obtained by electrospinning. Journal of Sol-Gel Science and Technology, 2012, 61, 494-500.	1.1	34
11	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
12	Intervalley Scattering of Interlayer Excitons in a MoS ₂ /MoSe ₂ /MoS ₂ Heterostructure in High Magnetic Field. Nano Letters, 2018, 18, 3994-4000.	4.5	27
13	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
14	Non equilibrium anisotropic excitons in atomically thin ReS ₂ . 2D Materials, 2019, 6, 015012.	2.0	23
15	Optical injection of spin-polarized carriers across a strongly mismatched heterostructure. Solid State Communications, 2001, 119, 371-376.	0.9	21
16	Unmodified Rose Bengal photosensitizer conjugated with NaYF ₄ :Yb,Er upconverting nanoparticles for efficient photodynamic therapy. Nanotechnology, 2020, 31, 465101.	1.3	21
17	Magneto-optical properties of the diluted magnetic semiconductor p-type ZnMnO. Solid State Communications, 2006, 139, 541-544.	0.9	20
18	Photoluminescence and far-infrared spectroscopy of PbS quantum dots in Polyvinyl alcohol nanocomposite. Optical Materials, 2008, 30, 1177-1182.	1.7	19

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19	Spin Splitting Anisotropy in Single Diluted Magnetic Nanowire Heterostructures. Nano Letters, 2015, 15, 1972-1978.	4.5	19
20	Stark spectroscopy and radiative lifetimes in single self-assembled CdTe quantum dots. Physical Review B, 2011, 83, .	1.1	17
21	Photoluminescence of highly doped Cd _{1-x} MnxS nanocrystals. Journal of Alloys and Compounds, 2010, 497, 46-51.	2.8	16
22	Light- and environment-sensitive electrospun ZnO nanofibers. RSC Advances, 2013, 3, 5656.	1.7	16
23	Spin Conserving Tunneling in Asymmetric Double Quantum Well Structures. Physica Status Solidi (B): Basic Research, 2002, 229, 769-774.	0.7	15
24	Optical study of electron-electron exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2013, 87, .	1.1	15
25	Excitation efficiency determines the upconversion luminescence intensity of $\text{F}^{2-}\text{NaYF}_4\text{:Er}^{3+},\text{Yb}^{3+}$ nanoparticles in magnetic fields up to 70 T. Nanoscale, 2020, 12, 20300-20307.	2.8	15
26	Influence of exciton spin relaxation on the photoluminescence spectra of semimagnetic quantum dots. Physical Review B, 2013, 87, .	1.1	13
27	Activation of an intense near band edge emission from ZnTe/ZnMgTe core/shell nanowires grown on silicon. Nanotechnology, 2013, 24, 365201.	1.3	13
28	Strain-induced energy gap variation in ZnTe/ZnMgTe core/shell nanowires. Applied Physics Letters, 2014, 104, .	1.5	13
29	Revealing the nature of excitons in liquid exfoliated monolayer tungsten disulphide. Nanotechnology, 2016, 27, 425701.	1.3	13
30	Polariton and spin dynamics in semiconductor microcavities under non-resonant excitation. Journal of Physics Condensed Matter, 2007, 19, 295204.	0.7	12
31	Interlayer excitons in MoSe_2 /2D perovskite hybrid heterostructures – the interplay between charge and energy transfer. Nanoscale, 2022, 14, 8085-8095.	2.8	11
32	Tunneling of spin polarized excitons in CdTe based asymmetric double quantum well structure. Solid State Communications, 2001, 119, 147-151.	0.9	10
33	p-type ZnO and ZnMnO by oxidation of Zn(Mn)Te films. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 988-991.	0.8	10
34	Tuning the inter-shell splitting in self-assembled CdTe quantum dots. Applied Physics Letters, 2011, 99, .	1.5	10
35	Nonradiative Energy Transfer and Selective Charge Transfer in a WS_2 /(PEA) ₂ PbI ₄ Heterostructure. ACS Applied Materials & Interfaces, 2021, 13, 33677-33684.	4.0	10
36	Observation of A _{1g} Raman mode splitting in few layer black phosphorus encapsulated with hexagonal boron nitride. Nanoscale, 2017, 9, 19298-19303.	2.8	9

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37	Optical spin injection and tunneling in asymmetric coupled InAs quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 680-687.	0.7	7
38	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
39	Optical Study of ZnTe-Based 2D and 0D Photonic Structures Containing CdTe/ZnTe Quantum Dots. <i>Acta Physica Polonica A</i> , 2009, 116, 888-889.	0.2	7
40	Influence of trapping on the exciton dynamics of $\text{Al}_x\text{Ga}_{1-x}\text{As}$ films. <i>Applied Physics Letters</i> , 2005, 86, 111906.	1.5	5
41	Semiconductor heterostructures for spintronics and quantum information. <i>Comptes Rendus Physique</i> , 2007, 8, 243-252.	0.3	5
42	Photoluminescence Properties of ZnO and ZnCdO Nanowires. <i>Acta Physica Polonica A</i> , 2007, 112, 357-362.	0.2	5
43	Photoluminescence Properties of ZnO Nanowires Grown on Ni Substrate. <i>Acta Physica Polonica A</i> , 2008, 114, 1451-1456.	0.2	5
44	Exciton and carrier dynamics in ZnTe nanowires. <i>Physical Review B</i> , 2016, 93, .	0.1	1
45	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
46	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
47	Exciton and Charged Exciton Absorption in Asymmetric Double Quantum Well Structures. <i>Physica Status Solidi A</i> , 2002, 190, 793-798.	1.7	3
48	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
49	Dynamics of charge leakage from self-assembled CdTe quantum dots. <i>Applied Physics Letters</i> , 2010, 96, 201905.	1.5	3
50	Long-lived photoluminescence polarization of localized excitons in liquid exfoliated monolayer enriched WS_2 . <i>Nanotechnology</i> , 2018, 29, 335703.	1.3	3
51	Influence of local potentials on spin-splitting in diluted magnetic semiconductors. <i>Journal of Crystal Growth</i> , 1998, 184-185, 992-995.	0.7	2
52	Effective spin diffusion across hugely lattice mismatched heterointerfaces. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 547-551.	1.3	2
53	Hanle Effect of Charged and Neutral Excitons in Quantum Wells. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 435-437.	0.5	2
54	Tunnelling of spin-polarized holes in asymmetric double quantum well structures. <i>Semiconductor Science and Technology</i> , 2004, 19, S380-S382.	1.0	2

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55	Charge storage in self-assembled CdTe quantum dots. Journal of Physics: Conference Series, 2010, 210, 012007.	0.3	2
56	Magnetic field influence on optical properties of Cd _{1-x} Mn _x S (x=0; 0.3) quantum dots: Photoluminescence study. Journal of Alloys and Compounds, 2013, 553, 75-78.	2.8	2
57	Molecular beam epitaxy of semi-magnetic quantum dots. , 2013, , 529-545.		2
58	Stark spectroscopy of CdTe and CdMnTe quantum dots embedded in n-i-p diodes. Journal of Applied Physics, 2014, 115, 203512.	1.1	2
59	Engineering the hole confinement for CdTe-based quantum dot molecules. Journal of Applied Physics, 2015, 117, .	1.1	2
60	Dynamics of Polariton Emission in the Linear Regime. Acta Physica Polonica A, 2004, 106, 443-450.	0.2	2
61	Spectroscopy of Indirect Excitons in Vertically Stacked CdTe Quantum Dot Structures. Acta Physica Polonica A, 2011, 120, 856-858.	0.2	2
62	Trions as a probe of spin injection through II-VI magnetic/non-magnetic heterointerface. Thin Solid Films, 2002, 412, 30-33.	0.8	1
63	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
64	Ultrafast tailoring of the exciton distribution in quantum wells. Physica Status Solidi (B): Basic Research, 2008, 245, 1064-1066.	0.7	1
65	Mapping of quantum well eigenstates with semimagnetic probes. Physical Review B, 2008, 77, .	1.1	1
66	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
67	Influence of oversized cations on electronic dimensionality of d-MAPbI ₃ crystals. Journal of Materials Chemistry C, 2020, 8, 7928-7934.	2.7	1
68	Spin Conserving Tunneling in Asymmetric Double Quantum Well Structures. Physica Status Solidi (B): Basic Research, 2002, 229, 769-774.	0.7	1
69	Charging Effects in Self-Assembled CdTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 819-829.	0.2	1
70	Dynamics of relaxation and trapping of excitons in Al _x Ga _{1-x} As films. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 906-909.	0.8	0
71	Exciton Relaxation and Spin Dynamics in Al _x Ga _{1-x} As Films. AIP Conference Proceedings, 2005, , .	0.3	0
72	Polarization of Light Emission in Semiconductor Microcavities: Dispersion Mapping. AIP Conference Proceedings, 2005, , .	0.3	0

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73	Quantum Confined Stark Effect in Single Self-Assembled CdTe Quantum Dots. , 2010, , .		0
74	CdTe Quantum Dots in a Field Effect Structure: Photoluminescence Lineshape Analysis. , 2010, , .		0
75	Exciton recombination dynamics in single ZnO tetrapods. , 2013, , .		0
76	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
77	Optical signatures of spin-dependent coupling in semimagnetic quantum dot molecules. Physical Review B, 2015, 92, .	1.1	0
78	Photoluminescence study of the increased hole confinement in CdTe quantum dots (Presentation) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.8	0
79	Copper Doping of Low-Dimensional Se-Based Semiconductor Structures Grown by Molecular Beam Epitaxy. Journal of Physical Chemistry C, 2019, 123, 19938-19944.	1.5	0
80	Influence of copper dopants on the photoluminescence of single CdTe quantum dots. Journal of Applied Physics, 2020, 127, 024306.	1.1	0
81	Giant enhancement of second harmonic light intensity in waveguiding core/shell ZnTe/ZnMgTe nanowires. Applied Physics Letters, 2021, 118, 192106.	1.5	0
82	Time-Resolved Emission from Semiconductor Microcavities. Acta Physica Polonica A, 2004, 106, 435-442.	0.2	0
83	Optical Properties of a Semimagnetic Quantum Well in a Proximity of a Superconducting Film. Acta Physica Polonica A, 2005, 108, 741-748.	0.2	0
84	Mechanism of Electronic Coupling in Hybrid Transition Metal Dichalcogenide-2D Perovskite Heterostructures. , 0, , .		0