

Gerd Bacher

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

285
papers

6,195
citations

39
h-index

69
g-index

314
ext. papers

6,705
ext. citations

4.3
avg, IF

5.28
L-index

#	Paper	IF	Citations
285	Temperature dependence of Fano resonances in CrPS.. <i>Journal of Chemical Physics</i> , 2022 , 156, 054707	3.9	0
284	Monitoring Catalytic 2-Propanol Oxidation over CoO Nanowires via Photoluminescence Spectroscopy.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3217-3223	6.4	
283	Atmosphere-sensitive photoluminescence of Co Fe O metal oxide nanoparticles.. <i>RSC Advances</i> , 2021 , 11, 33905-33915	3.7	1
282	Optical Probing of Crystal Lattice Configurations in Single CsPbBr Nanoplatelets. <i>Nano Letters</i> , 2021 , 21, 9085-9092	11.5	5
281	Showerhead-assisted chemical vapor deposition of CsPbBr ₃ films for LED applications. <i>Journal of Materials Research</i> , 2021 , 36, 1813-1823	2.5	2
280	Link between Structural and Optical Properties of Co _x Fe _{3-x} O ₄ Nanoparticles and Thin Films with Different Co/Fe Ratios. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14356-14365	3.8	3
279	On-chip 3D confocal optical study of an InGaN/GaN microrod LED in the low excitation regime. <i>Journal of Applied Physics</i> , 2021 , 130, 024505	2.5	0
278	Alumina-Protected, Durable and Photostable Zinc Sulfide Particles from Scalable Atomic Layer Deposition. <i>Advanced Functional Materials</i> , 2021 , 31, 2009323	15.6	3
277	Orientation of Individual Anisotropic Nanocrystals Identified by Polarization Fingerprint. <i>ACS Nano</i> , 2021 ,	16.7	2
276	Transfer-free, scalable photodetectors based on MOCVD-grown 2D-heterostructures. <i>2D Materials</i> , 2021 , 8, 045015	5.9	3
275	Tailoring exchange interactions in magnetically doped II-VI nanocrystals 2020 , 271-304		1
274	MOVPE of Large-Scale MoS ₂ /WS ₂ , WS ₂ /MoS ₂ , WS ₂ /Graphene and MoS ₂ /Graphene 2D-2D Heterostructures for Optoelectronic Applications. <i>MRS Advances</i> , 2020 , 5, 1625-1633	0.7	2
273	Fine Structure of the Optical Absorption Resonance in Cs ₂ AgBiBr ₆ Double Perovskite Thin Films. <i>ACS Energy Letters</i> , 2020 , 5, 559-565	20.1	30
272	Directed Exciton Magnetic Polaron Formation in a Single Colloidal Mn:CdSe/CdS Quantum Dot. <i>Nano Letters</i> , 2020 , 20, 1896-1906	11.5	8
271	Flexible Large-Area Light-Emitting Devices Based on WS ₂ Monolayers. <i>Advanced Optical Materials</i> , 2020 , 8, 2000694	8.1	10
270	Exciton-driven change of phonon modes causes strong temperature dependent bandgap shift in nanoclusters. <i>Nature Communications</i> , 2020 , 11, 4127	17.4	2
269	Direct growth of graphene on Ge(100) and Ge(110) via thermal and plasma enhanced CVD. <i>Scientific Reports</i> , 2020 , 10, 12938	4.9	4

268	Direct growth of graphene on GaN via plasma-enhanced chemical vapor deposition under N ₂ atmosphere. <i>2D Materials</i> , 2020 , 7, 035019	5.9	3
267	Realization of Red Iridium-Based Ionic Transition Metal Complex Light-Emitting Electrochemical Cells (iTMC-LECs) by Interface-Induced Color Shift. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22612-22620	9.5	14
266	WS monolayer-based light-emitting devices in a vertical p-n architecture. <i>Nanoscale</i> , 2019 , 11, 8372-8379	7.7	11
265	Scalable Large-Area p-i-n Light-Emitting Diodes Based on WS ₂ Monolayers Grown via MOCVD. <i>ACS Photonics</i> , 2019 , 6, 1832-1839	6.3	19
264	Impurity incorporation and exchange interactions in Co-doped CdSe/CdS core/shell nanoplatelets. <i>Journal of Chemical Physics</i> , 2019 , 151, 224708	3.9	2
263	H ₂ S-free Metal-Organic Vapor Phase Epitaxy of Coalesced 2D WS ₂ Layers on Sapphire. <i>MRS Advances</i> , 2019 , 4, 593-599	0.7	7
262	sp-d Exchange Interactions in Wave Function Engineered Colloidal CdSe/Mn:CdS Hetero-Nanoplatelets. <i>Nano Letters</i> , 2018 , 18, 2047-2053	11.5	28
261	Proof of Equivalent Catalytic Functionality upon Photon-Induced and Thermal Activation of Supported Isolated Vanadia Species in Methanol Oxidation. <i>ChemCatChem</i> , 2018 , 10, 2360-2364	5.2	9
260	The Role of Excitation Energy in Photobrightening and Photodegradation of Halide Perovskite Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2062-2069	6.4	57
259	Improved luminescence properties of MoS monolayers grown via MOCVD: role of pre-treatment and growth parameters. <i>Nanotechnology</i> , 2018 , 29, 295704	3.4	17
258	Metalorganic Vapor-Phase Epitaxy Growth Parameters for Two-Dimensional MoS ₂ . <i>Journal of Electronic Materials</i> , 2018 , 47, 910-916	1.9	17
257	Photocatalytic Methanol Oxidation by Supported Vanadium Oxide Species: Influence of Support and Degree of Oligomerization. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3725-3735	2.3	8
256	Low injection losses in InGaN/GaN LEDs: The correlation of photoluminescence, electroluminescence, and photocurrent measurements. <i>Journal of Applied Physics</i> , 2018 , 123, 214502	2.5	6
255	Phonon Interaction and Phase Transition in Single Formamidinium Lead Bromide Quantum Dots. <i>Nano Letters</i> , 2018 , 18, 4440-4446	11.5	41
254	Design and Realization of White Quantum Dot Light-Emitting Electrochemical Cell Hybrid Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42637-42646	9.5	18
253	Influence of atmospheric species on the electrical properties of functionalized graphene sheets.. <i>RSC Advances</i> , 2018 , 8, 42073-42079	3.7	1
252	Co-Doping of Magic-Sized CdSe Clusters: Structural Insights via Ligand Field Transitions. <i>Nano Letters</i> , 2018 , 18, 7350-7357	11.5	12
251	Graphene growth through a recrystallization process in plasma enhanced chemical vapor deposition. <i>Nanotechnology</i> , 2018 , 29, 455603	3.4	5

250	Hidden interfaces revealed on an atomistic level. <i>Nature Nanotechnology</i> , 2018 , 13, 774-775	28.7	
249	A light-emitting electrochemical cell (LEC) containing a hole-blocking layer of TmPyPB. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9742-9748	7.1	14
248	Water-free synthesis of ZnO quantum dots for application as an electron injection layer in light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2344-2351	7.1	23
247	Solution-Processed CuInS-Based White QD-LEDs with Mixed Active Layer Architecture. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11224-11230	9.5	29
246	Carrier transfer across a 2D-3D semiconductor heterointerface: The role of momentum mismatch. <i>Physical Review B</i> , 2017 , 95,	3.3	10
245	Chemical Synthesis, Doping, and Transformation of Magic-Sized Semiconductor Alloy Nanoclusters. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6761-6770	16.4	69
244	Relation between growth rate and structure of graphene grown in a 4? showerhead chemical vapor deposition reactor. <i>Nanotechnology</i> , 2017 , 28, 185601	3.4	5
243	Green-yellow emitting hybrid light emitting electrochemical cell. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12062-12068	7.1	18
242	Low Resistive Edge Contacts to CVD-Grown Graphene Using a CMOS Compatible Metal. <i>Annalen Der Physik</i> , 2017 , 529, 1600410	2.6	22
241	Current-Induced Magnetic Polarons in a Colloidal Quantum-Dot Device. <i>Nano Letters</i> , 2017 , 17, 4768-4773	11.5	17
240	Large-area MoS2 deposition via MOVPE. <i>Journal of Crystal Growth</i> , 2017 , 464, 100-104	1.6	21
239	Performance Enhancement by ZnO Nanoparticle Layer in Hybrid Ionic Transition Metal Complex-Light-Emitting Electrochemical Cells (iTMC-LECs). <i>Advanced Materials Technologies</i> , 2017 , 2, 1600215	6.8	24
238	Quantum Dot/Light-Emitting Electrochemical Cell Hybrid Device and Mechanism of Its Operation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24692-8	9.5	37
237	Giant Excitonic Exchange Splittings at Zero Field in Single Colloidal CdSe Quantum Dots Doped with Individual Mn Impurities. <i>Nano Letters</i> , 2016 , 16, 6371-6377	11.5	42
236	Digital Doping in Magic-Sized CdSe Clusters. <i>ACS Nano</i> , 2016 , 10, 7135-41	16.7	41
235	On the origin of contact resistances in graphene devices fabricated by optical lithography. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	15
234	Implementation of graphene multilayer electrodes in quantum dot light-emitting devices. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 120, 1197-1203	2.6	2
233	High-speed GaN/GaN nanowire array light-emitting diode on silicon(111). <i>Nano Letters</i> , 2015 , 15, 2318-2325	23.5	84

232	Route to the Smallest Doped Semiconductor: Mn(2+)-Doped (CdSe) ₁₃ Clusters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12776-9	16.4	69
231	Gate control of carrier distribution in k-space in MoS ₂ monolayer and bilayer crystals. <i>Physical Review B</i> , 2015 , 91,	3.3	17
230	Electrically driven single photon emission from a CdSe/ZnSSe/MgS semiconductor quantum dot. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1256-1259		6
229	Electrically driven single photon emission from a CdSe/ZnSSe single quantum dot at 200 K. <i>Applied Physics Letters</i> , 2014 , 105, 091102	3.4	5
228	Highly Luminescent ZnO Quantum Dots Made in a Nonthermal Plasma. <i>Advanced Functional Materials</i> , 2014 , 24, 1988-1993	15.6	73
227	Current-induced control of the electron-nuclear spin system in semiconductors on a micrometer scale. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 1777-1785	1.3	1
226	Valence-band mixing effects in the upper-excited-state magneto-optical responses of colloidal Mn ²⁺ -doped CdSe quantum dots. <i>ACS Nano</i> , 2014 , 8, 12669-75	16.7	16
225	The effect of degree of reduction on the electrical properties of functionalized graphene sheets. <i>Applied Physics Letters</i> , 2013 , 102, 023114	3.4	98
224	Measurement of Gain and Device Performance of a 1050-nm Vertical External Cavity Surface Emitting Laser. <i>IEEE Journal of Quantum Electronics</i> , 2013 , 49, 380-385	2	1
223	Low-Temperature MOCVD of Crystalline Ga ₂ O ₃ Nanowires using tBu ₃ Ga. <i>Chemical Vapor Deposition</i> , 2013 , 19, 347-354		11
222	Quantum Dot Spintronics: Fundamentals and Applications. <i>Springer Tracts in Modern Physics</i> , 2013 , 235-268		1
221	Subnanosecond magnetization dynamics induced by a pulsed magnetic field in diluted magnetic semiconductor quantum wells. <i>Physical Review B</i> , 2013 , 87,	3.3	7
220	Recombination dynamics in single GaAs-nanowires with an axial heterojunction: n- versus p-doped areas. <i>Journal of Applied Physics</i> , 2013 , 113, 174303	2.5	12
219	Optical Spectroscopy on Magnetically Doped Semiconductor Nanoparticles. <i>Nanoscience and Technology</i> , 2012 , 303-327	0.6	
218	High-frequency electrical charge and spin control in a single InGaAs quantum dot. <i>Physical Review B</i> , 2012 , 85,	3.3	2
217	Electron-nuclei spin coupling in GaAs versus localized electrons. <i>Applied Physics Letters</i> , 2012 , 100, 132103	3.4	4
216	Analysis of the Pump Wavelength Dependence of a 1060-nm VECSEL. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 341-343	2.2	2
215	Room temperature single photon emission from an epitaxially grown quantum dot. <i>Applied Physics Letters</i> , 2012 , 100, 061114	3.4	51

214	Quantum confinement-controlled exchange coupling in manganese(II)-doped CdSe two-dimensional quantum well nanoribbons. <i>Nano Letters</i> , 2012 , 12, 5311-7	11.5	28
213	p-Si/n-ZnO Nanocrystal Heterojunction Light Emitting Device. <i>Applied Physics Express</i> , 2012 , 5, 035001	2.4	18
212	Electric field tuning of spin splitting in a quantum dot coupled to a semimagnetic quantum dot. <i>Journal of Applied Physics</i> , 2012 , 111, 093705	2.5	5
211	Material and Doping Contrast in III/V Nanowires Probed by Kelvin Probe Force Microscopy. <i>Nanoscience and Technology</i> , 2012 , 185-206	0.6	
210	Local voltage drop in a single functionalized graphene sheet characterized by Kelvin probe force microscopy. <i>Nano Letters</i> , 2011 , 11, 3543-9	11.5	75
209	Potential Distribution in Functionalized Graphene Devices Probed by Kelvin Probe Force Microscopy 2011 ,		1
208	Spatially resolved photoelectric performance of axial GaAs nanowire pn-diodes. <i>Nano Research</i> , 2011 , 4, 987-995	10	27
207	Dynamic nuclear spin resonance in n-GaAs. <i>Physical Review Letters</i> , 2011 , 107, 167601	7.4	11
206	Optically detected nuclear magnetic resonance in n-GaAs using an on-chip microcoil. <i>Applied Physics Letters</i> , 2011 , 98, 081911	3.4	5
205	Magnetic Polaron Formation Dynamics in Mn ²⁺ -Doped Colloidal Nanocrystals up to Room Temperature. <i>Journal of the Korean Physical Society</i> , 2011 , 58, 1261-1266	0.6	9
204	Temperature dependence of radiative recombination in CdSe quantum dots with enhanced confinement. <i>JETP Letters</i> , 2010 , 92, 57-62	1.2	
203	All-inorganic light emitting devices based on semiconducting nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1260, 1		
202	Ultrafast electrical charging and discharging of a single InGaAs quantum dot. <i>Applied Physics Letters</i> , 2010 , 97, 173108	3.4	3
201	Radiative recombination in photoexcited quantum dots up to room temperature: The role of fine-structure effects. <i>Physical Review B</i> , 2010 , 81,	3.3	4
200	Electron-nuclear spin control in charged semiconductor quantum dots by electrical currents through micro-coils. <i>Applied Physics Letters</i> , 2010 , 96, 151908	3.4	4
199	Local Electrical Analysis of a Single Semiconductor Nanowire by Kelvin Probe Force Microscopy 2010 ,		2
198	Local Definition of Spin Polarization in a Semiconductor by Micro-scale Current Loops. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 111-114	1.5	2
197	Coherent Dynamics of Localized Spins in an Inhomogeneous Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 135-137	1.5	1

196	Exciton states and tunneling in semimagnetic asymmetric double quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 353-364	1.3	6
195	Radiative recombination dynamics of CdSe/Zn(S,Se)/MgS quantum dots up to room temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 1413-1415	1.3	2
194	Sub-ns electrical control of spin polarization in a semiconductor by microscale current loops. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 1505-1507	1.3	5
193	Laser-induced erasure and reversal of the permanent magnetization in a ferromagnet-dilute magnetic semiconductor hybrid structure. <i>Applied Physics Letters</i> , 2009 , 95, 223502	3.4	1
192	ELECTRICAL INJECTION AND OPTICAL READOUT OF SPIN STATES IN A SINGLE QUANTUM DOT. <i>International Journal of Modern Physics B</i> , 2009 , 23, 2826-2835	1.1	1
191	Material and doping transitions in single GaAs-based nanowires probed by Kelvin probe force microscopy. <i>Nanotechnology</i> , 2009 , 20, 385702	3.4	34
190	Electrical injection of spin-polarized electrons into single quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 788-790	1.3	
189	Fabrication and analysis of Cr-doped ZnO nanoparticles from the gas phase. <i>Nanotechnology</i> , 2009 , 20, 135604	3.4	35
188	Light-induced spontaneous magnetization in doped colloidal quantum dots. <i>Science</i> , 2009 , 325, 973-6	33.3	268
187	All-inorganic light emitting device based on ZnO nanoparticles. <i>Applied Physics Letters</i> , 2009 , 94, 091115	3.4	37
186	Coherent Spin Dynamics in Nanostructured Semiconductor-Ferromagnet Hybrids. <i>Advances in Solid State Physics</i> , 2009 , 183-195		2
185	Optical properties of epitaxially grown wide bandgap single quantum dots. <i>Nanoscience and Technology</i> , 2009 , 71-119	0.6	2
184	Microscopic investigation of InGaN/GaN heterostructure laser diode degradation using Kelvin probe force microscopy. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 135115	3	5
183	The physics of catastrophic optical damage in high-power AlGaInP laser diodes 2008 ,		1
182	Electrically driven ZnO nanoparticle light emitting device. <i>Electronics Letters</i> , 2008 , 44, 1485	1.1	5
181	Coherent spin dynamics in Permalloy-GaAs hybrids at room temperature. <i>Applied Physics Letters</i> , 2008 , 92, 241920	3.4	3
180	Manipulation of spin states in a semiconductor by microscale magnets. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 164007	3	8
179	Electrically driven single quantum dot emitter operating at room temperature. <i>Applied Physics Letters</i> , 2008 , 93, 173506	3.4	19

178	Electrical investigation of V-defects in GaN using Kelvin probe and conductive atomic force microscopy. <i>Applied Physics Letters</i> , 2008 , 93, 022107	3.4	27
177	Tunable quantum coupling in a II-VI quantum dot molecule. <i>Journal of Applied Physics</i> , 2008 , 103, 113520-5	2.5	7
176	Electrical charging of a single quantum dot by a spin polarized electron. <i>Applied Physics Letters</i> , 2008 , 93, 073107	3.4	12
175	Local control of spin polarization in a semiconductor by microscale current loops. <i>Applied Physics Letters</i> , 2008 , 93, 141902	3.4	9
174	Precession of localized spins in an inhomogeneous magnetic fringe field. <i>Physical Review B</i> , 2008 , 77,	3.3	9
173	Ga ₂ O ₃ nanoparticles synthesized in a low-pressure flame reactor. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 121-127	2.3	6
172	Defect investigation and temperature analysis of high-power AlGaInP laser diodes during catastrophic optical damage. <i>Journal of Materials Science: Materials in Electronics</i> , 2008 , 19, 155-159	2.1	6
171	Tunnel coupling in asymmetric semimagnetic double quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 70-76	1.3	2
170	Room temperature emission from CdSe single quantum dots embedded in high bandgap barrier material. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1938-1940	3	3
169	Charging of a InAs/GaAs single quantum dot from a n-ZnMnSe spin aligner. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2134-2137	3	2
168	Relaxation of excitons in semimagnetic asymmetric double quantum wells. <i>Semiconductors</i> , 2008 , 42, 813-827	0.7	5
167	Recombination dynamics in ZnO nanoparticles produced by chemical vapor synthesis. <i>Journal of Applied Physics</i> , 2007 , 102, 023524	2.5	15
166	Temperature-power dependence of catastrophic optical damage in AlGaInP laser diodes. <i>Applied Physics Letters</i> , 2007 , 91, 041115	3.4	19
165	Magnetic nanostructures for local spin control in semiconductors. <i>Superlattices and Microstructures</i> , 2007 , 41, 93-97	2.8	
164	Incoherent and coherent spin manipulation in ferromagnetic dilute magnetic semiconductor hybrids. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 191-201	1.6	6
163	Magneto-optics and dynamics of a magnetic polaron in semimagnetic CdSe/ZnMnSe quantum dots. <i>JETP Letters</i> , 2007 , 85, 323-327	1.2	3
162	Superradiance of quantum dots. <i>Nature Physics</i> , 2007 , 3, 106-110	16.2	324
161	Excitons in artificial quantum dots in the weak spatial confinement regime. <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 105, 1241-1258	1	2

160	Production of quantum dots by selective interdiffusion in CdTe/CdMgTe quantum wells. <i>Semiconductors</i> , 2007 , 41, 1339-1344	0.7	
159	Electrical Manipulation of Spin Injection into a Single InAs Quantum Dots. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007 , 20, 413-416	1.5	1
158	ASYMMETRIC DOUBLE QUANTUM WELLS AS EXCITON SPIN SEPARATOR. <i>International Journal of Nanoscience</i> , 2007 , 06, 357-361	0.6	
157	Local spin manipulation in ferromagnet-semiconductor hybrids. <i>Applied Physics Letters</i> , 2007 , 90, 051916	3.4	15
156	Contactless electroreflectance of InAs _{1-x} In _{0.53} Ga _{0.23} Al _{0.24} As quantum dashes grown on InP substrate: Analysis of the wetting layer transition. <i>Journal of Applied Physics</i> , 2007 , 101, 013507	2.5	3
155	Room temperature emission from CdSe _{1-x} SSe _x MgS single quantum dots. <i>Applied Physics Letters</i> , 2007 , 90, 101114	3.4	37
154	Spin injection into a single self-assembled quantum dot in a p-i-n II-VI/III-V structure. <i>Applied Physics Letters</i> , 2007 , 90, 093110	3.4	18
153	Coherent dynamics of locally interacting spins in self-assembled Cd _{1-x} MnxSe _x InSe quantum dots. <i>Physical Review B</i> , 2006 , 73,	3.3	15
152	Spin injection light-emitting diode with vertically magnetized ferromagnetic metal contacts. <i>Journal of Applied Physics</i> , 2006 , 99, 073907	2.5	22
151	Coherent spin oscillations in bulk GaAs at room temperature. <i>Applied Physics Letters</i> , 2006 , 89, 231101	3.4	34
150	Investigation of dark line defects induced by catastrophic optical damage in broad-area AlGaInP laser diodes. <i>Applied Physics Letters</i> , 2006 , 89, 101111	3.4	30
149	Scanning transmission electron microscope study on vertically correlated InGaAs _{1-x} GaAs quantum dots. <i>Applied Physics Letters</i> , 2006 , 89, 023121	3.4	3
148	Voltage drop in an (Al _x Ga _{1-x}) _{0.5} In _{0.5} P light-emitting diode probed by Kelvin probe force microscopy. <i>Applied Physics Letters</i> , 2006 , 89, 103522	3.4	19
147	Photoluminescence spectroscopy of single crystalline ZnO-nanoparticles from the gas phase. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 1014-1017		6
146	Manipulation of exciton spin states in a dilute magnetic semiconductor by nanostructured ferromagnets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 1122-1125		6
145	Scanning transmission electron microscopy of vertically stacked self organized quantum structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 3947-3950		2
144	Fe/Tb multilayer ferromagnets for local semiconductor spin control. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 4359-4363		2
143	Magnetic field induced manipulation of the coherent electron spin dynamics in n-GaAs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 4346-4349		5

142	Strong coupling in artificial semimagnetic Cd(Mn,Mg)Te quantum dot molecule. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3905-3911	1.3	3
141	Interwell exciton relaxation in semimagnetic asymmetric double quantum wells. <i>JETP Letters</i> , 2006 , 84, 340-343	1.2	2
140	Exciton states in strongly coupled asymmetric semimagnetic double quantum dots. <i>JETP Letters</i> , 2006 , 84, 436-440	1.2	1
139	Structural and optical analysis of size-controlled InAs quantum dashes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 32, 108-110	3	4
138	Influence of the strain on the formation of GaInAs/GaAs quantum structures. <i>Journal of Crystal Growth</i> , 2006 , 286, 6-10	1.6	42
137	Size control of InAs quantum dashes. <i>Applied Physics Letters</i> , 2005 , 86, 253112	3.4	74
136	Circuit-internal signal measurements with a needle sensor. <i>Microelectronics Reliability</i> , 2005 , 45, 1505-1508		
135	Spin-spin interaction in magnetic semiconductor quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 37-44	3	20
134	STEM-study of 1.3eV InAs/InGaAs quantum dot structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 241-244	3	3
133	Contactless current measurements using a needle sensor. <i>Ultramicroscopy</i> , 2005 , 105, 228-232	3.1	1
132	Chemical vapor synthesis of size-selected zinc oxide nanoparticles. <i>Small</i> , 2005 , 1, 540-52	11	135
131	High ac-voltage sensitivity of a quartz needle sensor used in noncontact scanning force microscopy. <i>Applied Physics Letters</i> , 2005 , 87, 214104	3.4	1
130	Probing individual localization centers in an InGaN/GaN quantum well. <i>Physical Review Letters</i> , 2004 , 92, 106802	7.4	124
129	Micromagnetoluminescence on ferromagnetic semiconductor hybrid nanostructures. <i>Journal of Applied Physics</i> , 2004 , 95, 7411-7413	2.5	6
128	Spin injection into a single self-assembled quantum dot. <i>Physical Review B</i> , 2004 , 69,	3.3	36
127	Magnetic imprinting of submicron ferromagnetic wires on a diluted magnetic semiconductor quantum well. <i>Applied Physics Letters</i> , 2004 , 84, 2826-2828	3.4	24
126	Nonlinear emission from III-V photonic dots in the strong coupling regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 21, 835-839	3	
125	Nonlinear emission in III-V pillar microcavities: Strong versus weak coupling. <i>Applied Physics Letters</i> , 2004 , 84, 1435-1437	3.4	12

124	Spin Dynamics in CdSe/ZnSe Quantum Dots: Resonant Versus Nonresonant Excitation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003 , 16, 395-398		
123	Laser-Controlled Magnetization in a Single Magnetic Semiconductor Quantum Dot. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003 , 16, 379-382		5
122	Single quantum dot pairs with controllable interdot coupling. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 238, 313-316	1-3	2
121	Single-photon and photon-pair emission from CdSe/Zn(S,Se) quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 238, 321-324	1-3	5
120	Generation of strongly polarization-correlated photon pairs by cascaded emission from individual CdSe/ZnSe quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 238, 607-614	1-3	1
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