Sangam Chatterjee

List of Publications by Year
in descending order

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189	2,999	201674	197818
papers	citations	27	49
		h-index	g-index

190	190	190	3154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Embedding Quaternary V_{1â€“xâ€“y}Sr_xW_yO₂ into Multilayer Systems to Enhance Its Thermochromic Properties for Smart Glass Applications. ACS Applied Electronic Materials, 2022, 4, 513-520.	4.3	4
2	Design of Ordered Mesoporous CeO₂â€“YSZ Nanocomposite Thin Films with Mixed Ionic/Electronic Conductivity via Surface Engineering. ACS Nano, 2022, 16, 3182-3193.	14.6	8
3	Tetraphenyl Tetrel Molecules and Molecular Crystals: From Structural Properties to Nonlinear Optics. Journal of Physical Chemistry C, 2022, 126, 3713-3726.	3.1	4
4	Phase Control of Multivalent Vanadium Oxides VO_x by Ionâ€Beam Sputterâ€Deposition. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	4
5	Scalable high-repetition-rate sub-half-cycle terahertz pulses from spatially indirect interband transitions. Light: Science and Applications, 2022, 11, .	16.6	13
6	Nonlinear optical response of ferroelectric oxides: First-principles calculations within the time and frequency domains. Physical Review Materials, 2022, 6, .	2.4	5
7	Correction to Design of Ordered Mesoporous CeO₂/YSZ Nanocomposite Thin Films with Mixed Ionic/Electronic Conductivity via Surface Engineering. ACS Nano, 2022, 16, 11484-11484.	14.6	0
8	Towards Understanding the Reactivity and Optical Properties of Organosilicon Sulfide Clusters. Angewandte Chemie, 2021, 133, 1196-1206.	2.0	8
9	Towards Understanding the Reactivity and Optical Properties of Organosilicon Sulfide Clusters. Angewandte Chemie - International Edition, 2021, 60, 1176-1186.	13.8	14
10	Mixed Group 14â€“15 Metalates as Model Compounds for Doped Lead Halide Perovskites. Angewandte Chemie - International Edition, 2021, 60, 3906-3911.	13.8	11
11	Gemischte Gruppeâ€14â€15â€Metallate als Modellverbindungen fÃ¼r dotierte Bleihalogenidperowskite. Angewandte Chemie, 2021, 133, 3952-3956.	2.0	0
12	Charge Transfer Excitation and Asymmetric Energy Transfer at the Interface of Pentaceneâ€“Perfluoropentacene Heterostacks. ACS Applied Materials & Interfaces, 2021, 13, 5284-5292.	8.0	5
13	Frontispiece: Mixed Group 14â€“15 Metalates as Model Compounds for Doped Lead Halide Perovskites. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
14	Comparison of carrier-recombination in Ga(As,Bi)/Ga(N,As)-type-II quantum wells and W-type heterostructures. Applied Physics Letters, 2021, 118, .	3.3	6
15	Frontispiz: Gemischte Gruppeâ€14â€15â€Metallate als Modellverbindungen fÃ¼r dotierte Bleihalogenidperowskite. Angewandte Chemie, 2021, 133, .	2.0	0
16	Determining the band alignment of copper-oxide gallium-oxide heterostructures. Journal of Applied Physics, 2021, 129, .	2.5	6
17	Surface Diffusion Control Enables Tailored-Aspect-Ratio Nanostructures in Area-Selective Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2021, 13, 19398-19405.	8.0	12
18	Atomically Thin Sheets of Leadâ€Free 1D Hybrid Perovskites Feature Tunable Whiteâ€Light Emission from Selfâ€Trapped Excitons. Advanced Materials, 2021, 33, e2100518.	21.0	15

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19	Perovskite Photoemitters: Atomically Thin Sheets of Leadâ€Free 1D Hybrid Perovskites Feature Tunable Whiteâ€Light Emission from Selfâ€Trapped Excitons (Adv. Mater. 23/2021). Advanced Materials, 2021, 33, 2170177.	21.0	1
20	Amorphous Molecular Materials for Directed Supercontinuum Generation. ChemPhotoChem, 2021, 5, 1033-1041.	3.0	11
21	Microscopic origin of near- and far-field contributions to tip-enhanced optical spectra of few-layer MoS2. Nanoscale, 2021, 13, 17116-17124.	5.6	3
22	Amorphous Molecular Materials for Directed Supercontinuum Generation. ChemPhotoChem, 2021, 5, 1029.	3.0	2
23	Controlled thin-film deposition of Î± or Î² Ga2O3 by ion-beam sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	6
24	Divergent Optical Properties in an Isomorphous Family of Multinary Iodido Pentelates. Inorganic Chemistry, 2019, 58, 10983-10990.	4.0	17
25	Controlling the Whiteâ€Light Generation of [(RSn) 4 E 6]: Effects of Substituent and Chalcogenide Variation. Angewandte Chemie - International Edition, 2019, 58, 17041-17046.	13.8	37
26	Bismuth surface segregation and disorder analysis of quaternary (Ga,In)(As,Bi)/InP alloys. Journal of Applied Physics, 2019, 126, 135705.	2.5	7
27	Modifying grapheneâ€™s lattice dynamics by hot-electron injection from single gold nanoparticles. Communications Physics, 2019, 2, .	5.3	14
28	Whiteâ€Light Generation Upon Inâ€Situ Amorphization of Single Crystals of [{(Me 3 P) 3 AuSn}(PhSn) 3 S 6] and [{(Et 3 P) 3 AgSn}(PhSn) 3 S 6]. Advanced Optical Materials, 2019, 7, 1801793.	7.3	23
29	Materials processing using radio-frequency ion-sources: Ion-beam sputter-deposition and surface treatment. Review of Scientific Instruments, 2019, 90, 023901.	1.3	27
30	Controlling the Whiteâ€Light Generation of [(RSn) 4 E 6]: Effects of Substituent and Chalcogenide Variation. Angewandte Chemie, 2019, 131, 17197-17202.	2.0	13
31	Electro-Optic Sampling of Terahertz Waves Under Brewsterâ€™s Angle. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 158-165.	2.2	1
32	Charge-transfer processes and carrier dynamics at the pentaceneâ€”C₆₀ interface. Journal of Physics Condensed Matter, 2019, 31, 134001.	1.8	4
33	Quasiparticle and excitonic effects in the optical response of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>KNbO</mml:mi><mml:mn>3</mml:mn></mml:msub><m Physical Review Materials, 2019, 3, .	2.4	10
34	Whiteâ€Light Generation through Nonlinear Optical Response of 1,3,5,7â€Tetraphenyladamantane: Amorphous versus Crystalline States. Advanced Optical Materials, 2018, 6, 1701162.	7.3	17
35	Ternary Mixedâ€Valence Organotin Copper Selenide Clusters. Chemistry - A European Journal, 2018, 24, 5840-5848.	3.3	15
36	Low-lying excited states in crystalline perylene. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 284-289.	7.1	35

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37	Photoelectrochemical response of GaN, InGaN, and GaNP nanowire ensembles. Journal of Applied Physics, 2018, 123, 175703.	2.5	4
38	Influence of the atom source operating parameters on the structural and optical properties of In xGa 1 â˜' xN nanowires grown by plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 2018, 124, 165703.	2.5	3
39	Effects of the Fermi level energy on the adsorption of O ₂ to monolayer MoS ₂. 2D Materials, 2018, 5, 045025.	4.4	8
40	Towards exploitation of singlet-exciton fission in organic crystals and potential integration with inorganic semiconductors. Proceedings of SPIE, 2017, , .	0.8	0
41	Ultra-low threshold supercontinuum generation in SnS-based clusters (Conference Presentation). , 2017, , .		0
42	Syntheses and Properties of Goldâ€“Organotin Sulfide Clusters. Inorganic Chemistry, 2017, 56, 11326-11335.	4.0	10
43	Trigonal Bipyramidal Metalselenide Clusters with Palladium and Tin Atoms in Various Positions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1508-1512.	1.2	6
44	Interfacial Molecular Packing Determines Exciton Dynamics in Molecular Heterostructures: The Case of Pentaceneâ€“Perfluoropentacene. ACS Applied Materials & Interfaces, 2017, 9, 42020-42028.	8.0	15
45	Organotetrel Chalcogenide Clusters: Between Strong Second-Harmonic and White-Light Continuum Generation. Journal of the American Chemical Society, 2016, 138, 16224-16227.	13.7	66
46	Charge transfer at organic-inorganic interfacesâ€"Indoline layers on semiconductor substrates. Journal of Applied Physics, 2016, 120, .	2.5	3
47	Aus Infrarot- wird WeiÃŸlicht. Physik in Unserer Zeit, 2016, 47, 216-217.	0.0	0
48	Tin Sulfide Clusters with Polyheteroatomic Ligands: Syntheses, Structures, and Photoluminescence Properties. European Journal of Inorganic Chemistry, 2016, 2016, 5300-5304.	2.0	8
49	MOVPE growth and characterization of quaternary Ga(PAsBi)/GaAs alloys for optoelectronic applications. Applied Materials Today, 2016, 5, 209-214.	4.3	11
50	A highly efficient directional molecular white-light emitter driven by a continuous-wave laser diode. Science, 2016, 352, 1301-1304.	12.6	120
51	Temperature-resolved optical spectroscopy of pentacene polymorphs: variation of herringbone angles in single-crystals and interface-controlled thin films. Physical Chemistry Chemical Physics, 2016, 18, 3825-3831.	2.8	25
52	Excitonic transitions in highly efficient (GaIn)As/Ga(AsSb) type-II quantum-well structures. Applied Physics Letters, 2015, 107, 182104.	3.3	14
53	Structural investigations of the Î±12Siâ€“Ge superstructure. Journal of Applied Crystallography, 2015, 48, 262-268.	4.5	3
54	Revisiting [(RSn^{IV})₆Sn^{III}₂S₁₂]: Directed Synthesis, Crystal Transformation, and Luminescence Properties. Inorganic Chemistry, 2015, 54, 22-24.	4.0	13

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55	Universal ultrafast detector for short optical pulses based on graphene. Optics Express, 2015, 23, 28728.	3.4	23
56	Polymorph-Selective Preparation and Structural Characterization of Perylene Single Crystals. Crystal Growth and Design, 2015, 15, 5495-5504.	3.0	50
57	Self-assembly of ordered wurtzite/rock salt heterostructuresâ€"A new view on phase separation in MgxZn1â^'xO. Journal of Applied Physics, 2015, 118, .	2.5	4
58	Singlet-Exciton Fission Dynamics in Single-Crystalline Perfluoropentacene. , 2015, , .		0
59	Observation and manipulation of dipole-forbidden exciton transitions in semiconductors. , 2014, , .		0
60	Cost-efficient delay generator for fast terahertz imaging. Optics Letters, 2014, 39, 4863.	3.3	14
61	Screening of the quantum-confined Stark effect in AlN/GaN nanowire superlattices by germanium doping. Applied Physics Letters, 2014, 104, .	3.3	23
62	Systematic investigation of terahertz-induced excitonic Rabi splitting. Physical Review B, 2014, 89, .	3.2	16
63	Molecular Packing Determines Singlet Exciton Fission in Organic Semiconductors. ACS Nano, 2014, 8, 7377-7383.	14.6	102
64	Synthesis, Crystal Structure, and Photoluminescence Studies of a Ruthenocenyl-Decorated Sn/S Cluster. Inorganic Chemistry, 2014, 53, 4228-4233.	4.0	20
65	Quantitative study of localization effects and recombination dynamics in GaAsBi/GaAs single quantum wells. Journal of Applied Physics, 2013, 114, 164306.	2.5	33
66	Carrier relaxation dynamics in a Ga(AsBi) single quantum well under high-intensity excitation conditions. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1234-1237.	0.8	3
67	Nanostructure and strain in InGaN/GaN superlattices grown in GaN nanowires. Nanotechnology, 2013, 24, 435702.	2.6	58
68	Interaction of excitons with THz pulses: “Atom spectroscopy” on quasi-particles. , 2013, , .		0
69	Bismuth-containing IIIâ€"V semiconductors. , 2013, , 139-158.		6
70	Photoluminescence study of (GaIn)As/(AlIn)As-based THz antenna materials for excitation. Journal of Luminescence, 2013, 138, 179-181.	3.1	0
71	In(SAr)₃ As a Building Block for 3D and Helical Coordination Polymers. Crystal Growth and Design, 2013, 13, 1252-1259.	3.0	14
72	Probing carrier populations in ZnO quantum wells by screening of the internal electric fields. Physical Review B, 2013, 87, .	3.2	5

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73	Optimized flash light-emitting diode spectra for mobile phone cameras. Applied Optics, 2013, 52, 8779.	1.8	15
74	Relaxation and recombination processes in Ge/SiGe multiple quantum wells. , 2013, , .		0
75	Controlling the polarization dynamics by strong THz fields in photoexcited germanium quantum wells. New Journal of Physics, 2013, 15, 075004.	2.9	8
76	(Invited) Optical Spin Orientation in SiGe Heterostructures. ECS Transactions, 2013, 50, 831-836.	0.5	1
77	Publisher's Note: Dephasing in Ge/SiGe quantum wells measured by means of coherent oscillations [Phys. Rev. B86, 201303(R) (2012)]. Physical Review B, 2013, 87, .	3.2	0
78	Electrical injection Ga(AsBi)/(AlGa)As single quantum well laser. Applied Physics Letters, 2013, 102, .	3.3	137
79	Temperature-dependent quantum efficiency of Ga(N,As,P) quantum wells. Applied Physics Letters, 2013, 103, 252105.	3.3	7
80	Observation of Forbidden Exciton Transitions Mediated by Coulomb Interactions in Photoexcited Semiconductor Quantum Wells. Physical Review Letters, 2013, 110, 137404.	7.8	27
81	Holes in germanium quantum wells: spin relaxation and temperature dynamics. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1238-1241.	0.8	0
82	In situ spectroscopy of high-power vertical-external-cavity surface-emitting lasers. Physica Status Solidi (B): Basic Research, 2013, 250, 1781-1784.	1.5	1
83	THzâ€manipulation of excitonic polarization in (GaIn)As/GaAs quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1226-1229.	0.8	0
84	Terahertz-induced exciton signatures in semiconductors. Physica Status Solidi (B): Basic Research, 2013, 250, 1768-1772.	1.5	2
85	Spin band-gap renormalization and hole spin dynamics in Ge/SiGe quantum wells. Physical Review B, 2012, 85, .	3.2	23
86	Dephasing in Ge/SiGe quantum wells measured by means of coherent oscillations. Physical Review B, 2012, 86, .	3.2	3
87	Thermal management in high-power vertical-external-cavity surface-emitting lasers. , 2012, , .		1
88	Ultra-fast inter-subband relaxation and non-thermal carrier distribution in Ge/SiGe quantum wells. , 2012, , .		0
89	Compositional disorder anomalies in Ga(N,P,As)/GaP quantum well structures. Journal of Physics: Conference Series, 2012, 376, 012021.	0.4	0
90	High room-temperature optical gain in Ga(NAsP)/Si heterostructures. Applied Physics Letters, 2012, 100, .	3.3	16

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91	Temperature and pump power dependent photoluminescence characterization of MBE grown GaAsBi on GaAs. Journal of Materials Science: Materials in Electronics, 2012, 23, 1799-1804.	2.2	24
92	Photoluminescence decay of direct and indirect transitions in Ge/SiGe multiple quantum wells. Journal of Applied Physics, 2012, 111, 013501.	2.5	22
93	A Fast Degrading Oddâ€“Odd Aliphatic Polyester-5,7 Made by Condensation Polymerization for Biomedical Applications. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 1539-1551.	3.5	8
94	Phonon-assisted luminescence of polar semiconductors: FrÃ¶hlich coupling versus deformation-potential scattering. Physical Review B, 2012, 85, .	3.2	27
95	Ionization of coherent excitons by strong terahertz fields. Physical Review B, 2012, 85, .	3.2	36
96	Self-assembled GaN quantum wires on GaN/AlN nanowire templates. Nanoscale, 2012, 4, 7517.	5.6	49
97	Energy scaling of compositional disorder in Ga(N,P,As)/GaP quantum well structures. Physical Review B, 2012, 86, .	3.2	16
98	Hole system heating by ultrafast interband energy transfer in optically excited Ge/SiGe quantum wells. Physical Review B, 2012, 85, .	3.2	3
99	Carrierâ€“phonon coupling in GaAs_{1â^'x}Bi_x/GaAs quantum wells. Semiconductor Science and Technology, 2012, 27, 085012.	2.0	2
100	Optical signatures of nitrogen acceptors in ZnO. Physical Review B, 2012, 85, .	3.2	47
101	Photoluminescence and ultrafast intersubband relaxation in Ge/SiGe multiple quantum wells. Physical Review B, 2011, 84, .	3.2	6
102	Intra-excitonic relaxation dynamics in ZnO. Applied Physics Letters, 2011, 99, 231910.	3.3	9
103	Laser operation of Ga(NAsP) lattice-matched to (001) silicon substrate. Applied Physics Letters, 2011, 99, .	3.3	136
104	Photoluminescence Properties of Ordered Mesoporous ZnO. Journal of Physical Chemistry C, 2011, 115, 1375-1379.	3.1	24
105	Pulse-shaper-assisted coherent control of shift currents. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 470.	2.1	7
106	Terahertz spectroscopy on polymers: A review of morphological studies. Journal of Molecular Structure, 2011, 1006, 41-51.	3.6	194
107	Heat Management in High-Power Vertical-External-Cavity Surface-Emitting Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1772-1778.	2.9	24
108	High modal gain in Ga(NAsP)/(BGa)((As)P) heterostructures grown lattice matched on (001) silicon. , 2011, , .		1

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109	Evidence of two disorder scales in Ga(AsBi). Physica Status Solidi (B): Basic Research, 2011, 248, 851-854.	1.5	15
110	Plasmaâ€related phononâ€sideband emission in semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1129-1132.	0.8	0
111	Ultrafast transient gain in Ge/SiGe quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1109-1112.	0.8	2
112	Carrier dynamics in (ZnMg)O alloy materials. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1149-1152.	0.8	1
113	Giant dynamical Stark shift in germanium quantum wells. Applied Physics Letters, 2011, 98, .	3.3	22
114	Monitoring the temperature distribution in high-power VECSELs. , 2011, , .		0
115	Carrier confinement in GaN/Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>N		

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127	Thermomorphological study of the terahertz lattice modes in polyvinylidene fluoride and high-density polyethylene. Applied Physics Letters, 2010, 97, .	3.3	47
128	Terahertz spectroscopy: A powerful tool for the characterization of plastic materials. , 2010, , .		9
129	Characterization of solar cells by photocurrent spectroscopy and current-voltage characteristics with high spatial resolution. Optics Express, 2010, 18, 6277.	3.4	5
130	Clustering effects in Ga(AsBi). Applied Physics Letters, 2010, 96, .	3.3	120
131	High-Power Optically Pumped Semiconductor Laser at 1040 nm. IEEE Photonics Technology Letters, 2010, 22, 661-663.	2.5	67
132	Carrier-depletion in the stripe-length method: Consequences for gain measurement. Journal of Applied Physics, 2010, 108, 103119.	2.5	7
133	Glass-transition-induced lattice mode shifts in PVDF and HDPE observed with terahertz time-domain spectroscopy. , 2010, , .		0
134	Characterization of Solar Cells with High Spatial Resolution. , 2010, , .		0
135	Modal Gain analysis of GaNAsP Heterostructures on Silicon. , 2010, , .		0
136	Solar Cell Characterization with High Spatial Resolution. , 2010, , .		0
137	Energy transfer processes in ZnSe/(Zn,Mn)Se double quantum wells. Physical Review B, 2009, 80, .	3.2	3
138	Optical gain and transient nonlinearities in Ge quantum wells. , 2009, , .		0
139	Ultrafast nonlinear optical response of photoexcited Ge/SiGe quantum wells: Evidence for a femtosecond transient population inversion. Physical Review B, 2009, 79, .	3.2	73
140	Carrier thermalization in Ge quantum wells. , 2009, , .		0
141	Thermal and morphological influence on the B<inf>1u</inf> lattice mode in polyethylene observed using terahertz time-domain spectroscopy. , 2009, , .		0
142	Timeâ€resolved photoluminescence study of mesoporous ZnO nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 542-545.	0.8	4
143	THz measurements of the optical response in a twoâ€dimensional electron gas. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 453-456.	0.8	5
144	Ga(AsSb)/GaAs/(AlGa)As heterostructures: additional holeâ€confinement due to quantum islands. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 411-414.	0.8	0

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145	Performance changes of a verticalâ€•externalâ€•cavity surfaceemitting laser by an intraâ€•cavity antiâ€•reflexâ€•coating. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 572-575.	0.8	0
146	Measurement of intraexcitonic transition signatures via THz timeâ€•domain spectroscopy: A GaAs/(AlGa)As â€“ (GaIn)As/GaAs comparison. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 500-503.	0.8	7
147	Gain characteristics and lasing of Ga(NAsP) multiâ€•quantum well structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 576-578.	0.8	2
148	Intra-dot relaxation and dephasing rates from time-resolved photoluminescence from InAs quantum dot ensembles. Solid State Communications, 2009, 149, 1485-1492.	1.9	6
149	Laser operation of the III/V compound material Ga(NAsP) grown lattice matched on (001) Si substrate. , 2009, , .		1
150	Adaptive shaping of THz-pulses generated in âŸ¨110âŸ© ZnTe crystals. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A74.	2.1	7
151	Terahertz time-domain spectroscopy as a tool to monitor the glass transition in polymers. Optics Express, 2009, 17, 19006.	3.4	84
152	Determining the glass transition temperature of polymers with terahertz time-domain spectroscopy. , 2009, , .		0
153	Investigating the glass transition of polymers with terahertz time-domain spectroscopy. , 2009, , .		0
154	Lasing of the III/V compound semiconductor Ga(NAsP) integrated lattice-matched to Si substrate. , 2009, , .		1
155	Hole confinement in quantum islands in Ga(AsSb)/GaAs/(AlGa)As heterostructures. , 2009, , .		0
156	Lasing in Optically Pumped Ga(NAsP)/(BGa)(AsP) Heterostructures on Silicon. , 2009, , .		0
157	Terahertz Signatures of Plasmons in a Two-Dimensional Electron Gas. , 2009, , .		1
158	Zero-phonon lines of nitrogen-cluster states in GaNxAs1âˆ’x: H identified by time-resolved photoluminescence. Journal of Materials Science, 2008, 43, 4344-4347.	3.7	2
159	Synthesis and Characterization of Chiral Benzylic Etherâ€Bridged Periodic Mesoporous Organosilicas. Chemistry - A European Journal, 2008, 14, 5935-5940.	3.3	55
160	Hole confinement in quantum islands in Ga(AsSb)âˆ•GaAsâˆ•(AlGa)As heterostructures. Applied Physics Letters, 2008, 92, 161101.	3.3	3
161	Influence of chirp on the femtosecond excitation of a semiconductor microcavity laser. Applied Physics Letters, 2008, 92, 011107.	3.3	2
162	Optical gain in Ga(NAsP)/(BGa)(AsP) multi-quantum-well heterostructures grown lattice-matched on (001) Silicon substrate. , 2008, , .		0

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163	Interaction of THz Radiation with Semiconductors: Microscopic Theory and Experiments. , 2008, , 223-235.		2
164	Time-Resolved Photoluminescence of Nitrogen-Cluster States in Dilute Ga(NAs)/GaAs Heterostructures. , 2007, , .		0
165	Nanosecond to microsecond dynamics of 1040nm semiconductor disk lasers. , 2007, , .		0
166	Microscopic Nonequilibrium Simulations in Semiconductor Laser Structures. , 2007, , .		0
167	Transient gain spectroscopy of (GaIn) As quantum well structures. , 2007, , .		0
168	Optical pumping using chirped pulses of a vertical-cavity surface-emitting laser (VCSEL). , 2007, , .		0
169	Dynamic behavior of 1050nm semiconductor disk lasers on a nanosecond to microsecond time scale. , 2007, , .		0
170	Strong Lateral Confinement in Ga(AsSb)/GaAs/(AlGa)As Heterostructures. , 2007, , .		0
171	Dynamic behavior of 1040nm semiconductor disk lasers on a nanosecond time scale. Applied Physics Letters, 2007, 90, 241102.	3.3	12
172	Nanosecond to microsecond dynamics of 1040nm semiconductor disk lasers. , 2007, , .		0
173	The variable stripe-length method revisited: Improved analysis. Applied Physics Letters, 2007, 91, .	3.3	30
174	Transient gain spectroscopy of (GaIn)As quantum wells: Experiment and microscopic analysis. Applied Physics Letters, 2007, 90, 251102.	3.3	11
175	Optimizing the performance of a vertical-cavity surface-emitting laser. Applied Physics Letters, 2006, 89, 151122.	3.3	2
176	Lasing in optically pumped Ga(NAsP)âˆ•GaP heterostructures. Applied Physics Letters, 2006, 89, 031102.	3.3	21
177	A hemispherical, high-solid-angle optical micro-cavity for cavity-QED studies. Optics Express, 2006, 14, 2289.	3.4	38
178	Optimizing the performance of a vertical-cavity surface-emitting laser after optical excitation. , 2006, , .		0
179	Lasing action in optically pumped Ga(NAsP) /GaP heterostructures. , 2006, , .		0
180	Many-body dynamics and exciton formation studied by time-resolved photoluminescence. Physical Review B, 2005, 72, .	3.2	33

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181	Carrier relaxation dynamics in annealed and hydrogenated (GaIn)(NAs)â^•GaAs quantum wells. Applied Physics Letters, 2005, 87, 252111.	3.3	9
182	Excitonic Photoluminescence in Semiconductor Quantum Wells: Plasma versus Excitons. Physical Review Letters, 2004, 92, 067402.	7.8	118
183	Influence of light holes on the heavy-hole excitonic optical Stark effect. Physical Review B, 2001, 64, .	3.2	30
184	Signature of Electron-Plasmon Quantum Kinetics in GaAs. Physical Review Letters, 2000, 85, 3508-3511.	7.8	57
185	The excitonic Stark effect: absorption splitting and the influence of the light-hole exciton. , 0, , .		0
186	Dilute Bismuth Containing W-Type Heterostructures for Long-Wavelength Emission on GaAs Substrates. Crystal Growth and Design, 0, , .	3.0	1
187	Terahertz Detection of Many-Body Signatures in Semiconductor Heterostructures. Advances in Solid State Physics, 0, , 269-280.	0.8	0
188	Whiteâ€light generating molecular materials: correlation betweenthe amorphous/crystalline structure and nonlinear opticalproperties. ChemPhotoChem, 0, , .	3.0	3
189	Adamantanes as White-Light Emitters: Controlling the Arrangement and Functionality by External Coulomb Forces. Journal of Physical Chemistry C, 0, , .	3.1	2