

# Sangam Chatterjee

## List of Publications by Year in descending order

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189  
papers

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citations

201674

27  
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197818

49  
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190  
all docs

190  
docs citations

190  
times ranked

3154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz spectroscopy on polymers: A review of morphological studies. Journal of Molecular Structure, 2011, 1006, 41-51.	3.6	194
2	Electrical injection Ga(AsBi)/(AlGa)As single quantum well laser. Applied Physics Letters, 2013, 102, .	3.3	137
3	Laser operation of Ga(NAsP) lattice-matched to (001) silicon substrate. Applied Physics Letters, 2011, 99, .	3.3	136
4	Clustering effects in Ga(AsBi). Applied Physics Letters, 2010, 96, .	3.3	120
5	A highly efficient directional molecular white-light emitter driven by a continuous-wave laser diode. Science, 2016, 352, 1301-1304.	12.6	120
6	Excitonic Photoluminescence in Semiconductor Quantum Wells: Plasma versus Excitons. Physical Review Letters, 2004, 92, 067402.	7.8	118
7	Molecular Packing Determines Singlet Exciton Fission in Organic Semiconductors. ACS Nano, 2014, 8, 7377-7383.	14.6	102
8	Terahertz time-domain spectroscopy as a tool to monitor the glass transition in polymers. Optics Express, 2009, 17, 19006.	3.4	84
9	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
10	High-Power Optically Pumped Semiconductor Laser at 1040 nm. IEEE Photonics Technology Letters, 2010, 22, 661-663.	2.5	67
11	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
12	Nanostructure and strain in InGaN/GaN superlattices grown in GaN nanowires. Nanotechnology, 2013, 24, 435702.	2.6	58
13	Signature of Electron-Plasmon Quantum Kinetics in GaAs. Physical Review Letters, 2000, 85, 3508-3511.	7.8	57
14	Synthesis and Characterization of Chiral Benzylic Ether- $\mu$ -Bridged Periodic Mesoporous Organosilicas. Chemistry - A European Journal, 2008, 14, 5935-5940.	3.3	55
15	Polymorph-Selective Preparation and Structural Characterization of Perylene Single Crystals. Crystal Growth and Design, 2015, 15, 5495-5504.	3.0	50
16	Carrier confinement in GaN/AlN quantum wells. $\frac{1}{m^*} = \frac{1}{m_0} \left( 1 + \frac{m_0}{m_0} \right)$		

#	ARTICLE	IF	CITATIONS
19	Optical signatures of nitrogen acceptors in ZnO. <i>Physical Review B</i> , 2012, 85, .	3.2	47
20	A hemispherical, high-solid-angle optical micro-cavity for cavity-QED studies. <i>Optics Express</i> , 2006, 14, 2289.	3.4	38
21	Controlling the White-Light Generation of [(RSn) 4 E 6 ]: Effects of Substituent and Chalcogenide Variation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17041-17046.	13.8	37
22	Ionization of coherent excitons by strong terahertz fields. <i>Physical Review B</i> , 2012, 85, .	3.2	36
23	Low-lying excited states in crystalline perylene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 284-289.	7.1	35
24	Many-body dynamics and exciton formation studied by time-resolved photoluminescence. <i>Physical Review B</i> , 2005, 72, .	3.2	33
25	Quantitative study of localization effects and recombination dynamics in GaAsBi/GaAs single quantum wells. <i>Journal of Applied Physics</i> , 2013, 114, 164306.	2.5	33
26	Influence of light holes on the heavy-hole excitonic optical Stark effect. <i>Physical Review B</i> , 2001, 64, .	3.2	30
27	The variable stripe-length method revisited: Improved analysis. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	30
28	Luminescence dynamics in Ga(AsBi). <i>Applied Physics Letters</i> , 2011, 98, 161104.	3.3	27
29	Phonon-assisted luminescence of polar semiconductors: Fröhlich coupling versus deformation-potential scattering. <i>Physical Review B</i> , 2012, 85, .	3.2	27
30	Observation of Forbidden Exciton Transitions Mediated by Coulomb Interactions in Photoexcited Semiconductor Quantum Wells. <i>Physical Review Letters</i> , 2013, 110, 137404.	7.8	27
31	Materials processing using radio-frequency ion-sources: Ion-beam sputter-deposition and surface treatment. <i>Review of Scientific Instruments</i> , 2019, 90, 023901.	1.3	27
32	Exciton confinement in homo- and heteroepitaxial ZnO/Zn <sub>1-x</sub> Mg <sub>x</sub> O quantum wells with x < 0.1. <i>Journal of Applied Physics</i> , 2011, 110, 093513.	2.5	25
33	Temperature-resolved optical spectroscopy of pentacene polymorphs: variation of herringbone angles in single-crystals and interface-controlled thin films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3825-3831.	2.8	25
34	Photoluminescence Properties of Ordered Mesoporous ZnO. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1375-1379.	3.1	24
35	Heat Management in High-Power Vertical-External-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 1772-1778.	2.9	24
36	Temperature and pump power dependent photoluminescence characterization of MBE grown GaAsBi on GaAs. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1799-1804.	2.2	24

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37	Influence of the spatial pump distribution on the performance of high power vertical-external-cavity surface-emitting lasers. Applied Physics Letters, 2010, 97, .	3.3	23
38	Spin band-gap renormalization and hole spin dynamics in Ge/SiGe quantum wells. Physical Review B, 2012, 85, .	3.2	23
39	Screening of the quantum-confined Stark effect in AlN/GaN nanowire superlattices by germanium doping. Applied Physics Letters, 2014, 104, .	3.3	23
40	Universal ultrafast detector for short optical pulses based on graphene. Optics Express, 2015, 23, 28728.	3.4	23
41	Whiteâ€Light Generation Upon Inâ€situ Amorphization of Single Crystals of [(Me <sub>3</sub> P) <sub>3</sub> AuSn](PhSn) <sub>3</sub> S <sub>6</sub> ] and [(Et <sub>3</sub> P) <sub>3</sub> AgSn](PhSn) <sub>3</sub> S <sub>6</sub> . Advanced Optical Materials, 2019, 7, 1801793.	7.3	23
42	Giant dynamical Stark shift in germanium quantum wells. Applied Physics Letters, 2011, 98, .	3.3	22
43	Photoluminescence decay of direct and indirect transitions in Ge/SiGe multiple quantum wells. Journal of Applied Physics, 2012, 111, 013501.	2.5	22
44	Lasing in optically pumped Ga(NAsP) <sup>â</sup> GaP heterostructures. Applied Physics Letters, 2006, 89, 031102.	3.3	21
45	Synthesis, Crystal Structure, and Photoluminescence Studies of a Ruthenocenyyl-Decorated Sn/S Cluster. Inorganic Chemistry, 2014, 53, 4228-4233.	4.0	20
46	Comparison of ultrafast carrier thermalization in $Ga_{1-x}Mg_xO$ quantum wells. Physical Review B, 2010, 81, .	3.2	19
47	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
48	Divergent Optical Properties in an Isomorphous Family of Multinary Iodido Pentelates. Inorganic Chemistry, 2019, 58, 10983-10990.	4.0	17
49	High room-temperature optical gain in Ga(NAsP)/Si heterostructures. Applied Physics Letters, 2012, 100, .	3.3	16
50	Energy scaling of compositional disorder in Ga(N,P,As)/GaP quantum well structures. Physical Review B, 2012, 86, .	3.2	16
51	Systematic investigation of terahertz-induced excitonic Rabi splitting. Physical Review B, 2014, 89, .	3.2	16
52	Investigation of carrier dynamics in Zn <sub>1-x</sub> Mg <sub>x</sub> O by time-resolved photoluminescence. Journal of Luminescence, 2010, 130, 2256-2259.	3.1	15
53	Evidence of two disorder scales in Ga(AsBi). Physica Status Solidi (B): Basic Research, 2011, 248, 851-854.	1.5	15
54	Optimized flash light-emitting diode spectra for mobile phone cameras. Applied Optics, 2013, 52, 8779.	1.8	15

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55	Interfacial Molecular Packing Determines Exciton Dynamics in Molecular Heterostructures: The Case of Pentacene–Perfluoropentacene. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42020-42028.	8.0	15
56	Ternary Mixed–Valence Organotin Copper Selenide Clusters. <i>Chemistry - A European Journal</i> , 2018, 24, 5840-5848.	3.3	15
57	Atomically Thin Sheets of Lead–Free 1D Hybrid Perovskites Feature Tunable White–Light Emission from Self–Trapped Excitons. <i>Advanced Materials</i> , 2021, 33, e2100518.	21.0	15
58	In(SAR) <sub>3</sub> As a Building Block for 3D and Helical Coordination Polymers. <i>Crystal Growth and Design</i> , 2013, 13, 1252-1259.	3.0	14
59	Cost-efficient delay generator for fast terahertz imaging. <i>Optics Letters</i> , 2014, 39, 4863.	3.3	14
60	Excitonic transitions in highly efficient (Galn)As/Ga(AsSb) type-II quantum-well structures. <i>Applied Physics Letters</i> , 2015, 107, 182104.	3.3	14
61	Modifying graphene’s lattice dynamics by hot-electron injection from single gold nanoparticles. <i>Communications Physics</i> , 2019, 2, .	5.3	14
62	Towards Understanding the Reactivity and Optical Properties of Organosilicon Sulfide Clusters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1176-1186.	13.8	14
63	Revisiting [(RS <sup>IV</sup> ) <sub>6</sub> Sn <sup>III</sup> ] <sub>2</sub> S <sub>12</sub> : Directed Synthesis, Crystal Transformation, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2015, 54, 22-24.	4.0	13
64	Controlling the White–Light Generation of [(RSn) <sub>4</sub> E <sub>6</sub> ]: Effects of Substituent and Chalcogenide Variation. <i>Angewandte Chemie</i> , 2019, 131, 17197-17202.	2.0	13
65	Scalable high-repetition-rate sub-half-cycle terahertz pulses from spatially indirect interband transitions. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	13
66	Dynamic behavior of 1040nm semiconductor disk lasers on a nanosecond time scale. <i>Applied Physics Letters</i> , 2007, 90, 241102.	3.3	12
67	Surface Diffusion Control Enables Tailored-Aspect-Ratio Nanostructures in Area-Selective Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19398-19405.	8.0	12
68	Transient gain spectroscopy of (Galn)As quantum wells: Experiment and microscopic analysis. <i>Applied Physics Letters</i> , 2007, 90, 251102.	3.3	11
69	MOVPE growth and characterization of quaternary Ga(PAsBi)/GaAs alloys for optoelectronic applications. <i>Applied Materials Today</i> , 2016, 5, 209-214.	4.3	11
70	Mixed Group 14–15 Metalates as Model Compounds for Doped Lead Halide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3906-3911.	13.8	11
71	Amorphous Molecular Materials for Directed Supercontinuum Generation. <i>ChemPhotoChem</i> , 2021, 5, 1033-1041.	3.0	11
72	Syntheses and Properties of Gold–Organotin Sulfide Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 11326-11335.	4.0	10

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73	Quasiparticle and excitonic effects in the optical response of $\text{KNbO}_3$ . Physical Review Materials, 2019, 3, .		
74	Carrier relaxation dynamics in annealed and hydrogenated $(\text{GaIn})(\text{NAs})\text{-GaAs}$ quantum wells. Applied Physics Letters, 2005, 87, 252111.	3.3	9
75	Terahertz spectroscopy: A powerful tool for the characterization of plastic materials. , 2010, , .		9
76	Intra-excitonic relaxation dynamics in ZnO. Applied Physics Letters, 2011, 99, 231910.	3.3	9
77	A Fast Degrading Odd-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
78	Controlling the polarization dynamics by strong THz fields in photoexcited germanium quantum wells. New Journal of Physics, 2013, 15, 075004.	2.9	8
79	Tin Sulfide Clusters with Polyheteroatomic Ligands: Syntheses, Structures, and Photoluminescence Properties. European Journal of Inorganic Chemistry, 2016, 2016, 5300-5304.	2.0	8
80	Effects of the Fermi level energy on the adsorption of $\text{O}_2$ to monolayer MoS <sub>2</sub> . 2D Materials, 2018, 5, 045025.	4.4	8
81	Towards Understanding the Reactivity and Optical Properties of Organosilicon Sulfide Clusters. Angewandte Chemie, 2021, 133, 1196-1206.	2.0	8
82	Design of Ordered Mesoporous $\text{CeO}_2$ -YSZ Nanocomposite Thin Films with Mixed Ionic/Electronic Conductivity via Surface Engineering. ACS Nano, 2022, 16, 3182-3193.	14.6	8
83	Measurement of intraexcitonic transition signatures via THz time-domain spectroscopy: A $\text{GaAs}/(\text{AlGa})\text{As}/(\text{GaIn})\text{As}/\text{GaAs}$ comparison. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 500-503.	0.8	7
84	Adaptive shaping of THz-pulses generated in $\text{ZnTe}$ crystals. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A74.	2.1	7
85	Carrier-depletion in the stripe-length method: Consequences for gain measurement. Journal of Applied Physics, 2010, 108, 103119.	2.5	7
86	Pulse-shaper-assisted coherent control of shift currents. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 470.	2.1	7
87	Temperature-dependent quantum efficiency of $\text{Ga}(\text{N,As,P})$ quantum wells. Applied Physics Letters, 2013, 103, 252105.	3.3	7
88	Bismuth surface segregation and disorder analysis of quaternary $(\text{Ga,In})(\text{As,Bi})/\text{InP}$ alloys. Journal of Applied Physics, 2019, 126, 135705.	2.5	7
89	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
90	Photoluminescence and ultrafast intersubband relaxation in $\text{Ge}/\text{SiGe}$ multiple quantum wells. Physical Review B, 2011, 84, .	3.2	6

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91	Bismuth-containing III-V semiconductors. , 2013, , 139-158.		6
92	Trigonal Bipyramidal Metaselenide Clusters with Palladium and Tin Atoms in Various Positions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1508-1512.	1.2	6
93	Controlled thin-film deposition of $\text{In}^{\pm}$ or $\text{In}^2$ Ga <sub>2</sub> O <sub>3</sub> by ion-beam sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	6
94	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
95	Determining the band alignment of copper-oxide gallium-oxide heterostructures. Journal of Applied Physics, 2021, 129, .	2.5	6
96	THz measurements of the optical response in a two-dimensional electron gas. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 453-456.	0.8	5
97	Characterization of solar cells by photocurrent spectroscopy and current-voltage characteristics with high spatial resolution. Optics Express, 2010, 18, 6277.	3.4	5
98	Probing carrier populations in ZnO quantum wells by screening of the internal electric fields. Physical Review B, 2013, 87, .	3.2	5
99	Charge Transfer Excitation and Asymmetric Energy Transfer at the Interface of Pentacene-Perfluoropentacene Heterostacks. ACS Applied Materials & Interfaces, 2021, 13, 5284-5292.	8.0	5
100	Nonlinear optical response of ferroelectric oxides: First-principles calculations within the time and frequency domains. Physical Review Materials, 2022, 6, .	2.4	5
101	Time-resolved photoluminescence study of mesoporous ZnO nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 542-545.	0.8	4
102	Self-assembly of ordered wurtzite/rock salt heterostructures: A new view on phase separation in Mg <sub>x</sub> Zn <sub>1-x</sub> O. Journal of Applied Physics, 2015, 118, .	2.5	4
103	Photoelectrochemical response of GaN, InGaN, and GaNP nanowire ensembles. Journal of Applied Physics, 2018, 123, 175703.	2.5	4
104	Charge-transfer processes and carrier dynamics at the pentacene-C <sub>60</sub> interface. Journal of Physics Condensed Matter, 2019, 31, 134001.	1.8	4
105	Embedding Quaternary V <sub>1-x</sub> Sr <sub>x</sub> WO <sub>2</sub> into Multilayer Systems to Enhance Its Thermochromic Properties for Smart Glass Applications. ACS Applied Electronic Materials, 2022, 4, 513-520.	4.3	4
106	Tetraphenyl Tetrel Molecules and Molecular Crystals: From Structural Properties to Nonlinear Optics. Journal of Physical Chemistry C, 2022, 126, 3713-3726.	3.1	4
107	Phase Control of Multivalent Vanadium Oxides VO <sub>x</sub> by Ion-Beam Sputter-Deposition. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	4
108	Hole confinement in quantum islands in Ga(AsSb) <sub>1-x</sub> GaAs <sub>x</sub> (AlGa)As heterostructures. Applied Physics Letters, 2008, 92, 161101.	3.3	3

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109	Energy transfer processes in ZnSe/(Zn,Mn)Se double quantum wells. <i>Physical Review B</i> , 2009, 80, .	3.2	3
110	Time-resolved phonon-sideband spectroscopy. <i>Solid State Communications</i> , 2010, 150, 1733-1736.	1.9	3
111	Dephasing in Ge/SiGe quantum wells measured by means of coherent oscillations. <i>Physical Review B</i> , 2012, 86, .	3.2	3
112	Hole system heating by ultrafast interband energy transfer in optically excited Ge/SiGe quantum wells. <i>Physical Review B</i> , 2012, 85, .	3.2	3
113	Carrier relaxation dynamics in a Ga(AsBi) single quantum well under high-intensity excitation conditions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1234-1237.	0.8	3
114	Structural investigations of the $\text{In}_{1-x}\text{Si}_x\text{Ge}$ superstructure. <i>Journal of Applied Crystallography</i> , 2015, 48, 262-268.	4.5	3
115	Charge transfer at organic-inorganic interfaces—Indoline layers on semiconductor substrates. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	3
116	Influence of the atom source operating parameters on the structural and optical properties of $\text{In}_x\text{Ga}_{1-x}\text{N}$ nanowires grown by plasma-assisted molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2018, 124, 165703.	2.5	3
117	Microscopic origin of near- and far-field contributions to tip-enhanced optical spectra of few-layer MoS <sub>2</sub> . <i>Nanoscale</i> , 2021, 13, 17116-17124.	5.6	3
118	White-light generating molecular materials: correlation between the amorphous/crystalline structure and nonlinear optical properties. <i>ChemPhotoChem</i> , 0, , .	3.0	3
119	Optimizing the performance of a vertical-cavity surface-emitting laser. <i>Applied Physics Letters</i> , 2006, 89, 151122.	3.3	2
120	Zero-phonon lines of nitrogen-cluster states in $\text{Ga}_x\text{As}_{1-x}$ : H identified by time-resolved photoluminescence. <i>Journal of Materials Science</i> , 2008, 43, 4344-4347.	3.7	2
121	Influence of chirp on the femtosecond excitation of a semiconductor microcavity laser. <i>Applied Physics Letters</i> , 2008, 92, 011107.	3.3	2
122	Gain characteristics and lasing of Ga(NAsP) multi-quantum well structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 576-578.	0.8	2
123	Transient optical gain and carrier dynamics in Ge/SiGe quantum wells. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
124	Ultrafast transient gain in Ge/SiGe quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1109-1112.	0.8	2
125	Power scaling and heat management in high-power VECSELs. , 2011, , .		2
126	Carrier-phonon coupling in $\text{GaAs}_{1-x}\text{Bi}_x/\text{GaAs}$ quantum wells. <i>Semiconductor Science and Technology</i> , 2012, 27, 085012.	2.0	2



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127	Terahertz-induced exciton signatures in semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1768-1772.	1.5	2
128	Interaction of THz Radiation with Semiconductors: Microscopic Theory and Experiments. , 2008, , 223-235.		2
129	Amorphous Molecular Materials for Directed Supercontinuum Generation. <i>ChemPhotoChem</i> , 2021, 5, 1029.	3.0	2
130	Adamantanes as White-Light Emitters: Controlling the Arrangement and Functionality by External Coulomb Forces. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	2
131	Laser operation of the III/V compound material Ga(NAsP) grown lattice matched on (001) Si substrate. , 2009, , .		1
132	Lasing of the III/V compound semiconductor Ga(NAsP) integrated lattice-matched to Si substrate. , 2009, , .		1
133	High modal gain in Ga(NAsP)/(BGa)((As)P) heterostructures grown lattice matched on (001) silicon. , 2011, , .		1
134	Carrier dynamics in (ZnMg)O alloy materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1149-1152.	0.8	1
135	Thermal management in high-power vertical-external-cavity surface-emitting lasers. , 2012, , .		1
136	(Invited) Optical Spin Orientation in SiGe Heterostructures. <i>ECS Transactions</i> , 2013, 50, 831-836.	0.5	1
137	<i>In situ</i> spectroscopy of high-power vertical-external-cavity surface-emitting lasers. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1781-1784.	1.5	1
138	Electro-Optic Sampling of Terahertz Waves Under Brewster's Angle. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 158-165.	2.2	1
139	Perovskite Photoemitters: Atomically Thin Sheets of Lead-Free 1D Hybrid Perovskites Feature Tunable White-Light Emission from Self-Trapped Excitons ( <i>Adv. Mater.</i> 23/2021). <i>Advanced Materials</i> , 2021, 33, 2170177.	21.0	1
140	Dilute Bismuth Containing W-Type Heterostructures for Long-Wavelength Emission on GaAs Substrates. <i>Crystal Growth and Design</i> , 0, , .	3.0	1
141	Terahertz Signatures of Plasmons in a Two-Dimensional Electron Gas. , 2009, , .		1
142	The excitonic Stark effect: absorption splitting and the influence of the light-hole exciton. , 0, , .		0
143	Optimizing the performance of a vertical-cavity surface-emitting laser after optical excitation. , 2006, , .		0
144	Lasing action in optically pumped Ga(NAsP) /GaP heterostructures. , 2006, , .		0

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145	Time-Resolved Photoluminescence of Nitrogen-Cluster States in Dilute Ga(NAs)/GaAs Heterostructures. , 2007, , .		0
146	Nanosecond to microsecond dynamics of 1040nm semiconductor disk lasers. , 2007, , .		0
147	Microscopic Nonequilibrium Simulations in Semiconductor Laser Structures. , 2007, , .		0
148	Transient gain spectroscopy of (GaN) As quantum well structures. , 2007, , .		0
149	Optical pumping using chirped pulses of a vertical-cavity surface-emitting laser (VCSEL). , 2007, , .		0
150	Dynamic behavior of 1050nm semiconductor disk lasers on a nanosecond to microsecond time scale. , 2007, , .		0
151	Strong Lateral Confinement in Ga(AsSb)/GaAs/(AlGa)As Heterostructures. , 2007, , .		0
152	Nanosecond to microsecond dynamics of 1040nm semiconductor disk lasers. , 2007, , .		0
153	Optical gain in Ga(NAsP)/(BGa)(AsP) multi-quantum-well heterostructures grown lattice-matched on (001) Silicon substrate. , 2008, , .		0
154	Optical gain and transient nonlinearities in Ge quantum wells. , 2009, , .		0
155	Carrier thermalization in Ge quantum wells. , 2009, , .		0
156	Thermal and morphological influence on the $\Gamma$ lattice mode in polyethylene observed using terahertz time-domain spectroscopy. , 2009, , .		0
157	Ga(AsSb)/GaAs/(AlGa)As heterostructures: additional hole confinement due to quantum islands. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 411-414.	0.8	0
158	Performance changes of a vertical external cavity surface emitting laser by an intra cavity anti-reflex coating. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 572-575.	0.8	0
159	Determining the glass transition temperature of polymers with terahertz time-domain spectroscopy. , 2009, , .		0
160	Investigating the glass transition of polymers with terahertz time-domain spectroscopy. , 2009, , .		0
161	Hole confinement in quantum islands in Ga(AsSb)/GaAs/(AlGa)As heterostructures. , 2009, , .		0
162	Polarization conservation and dephasing in InAs quantum dot ensembles. Proceedings of SPIE, 2010, , .	0.8	0

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163	Anwendungen für Terahertz-Systeme: Märkte und Perspektiven einer innovativen Technik. Chemie-Ingenieur-Technik, 2010, 82, 467-476.	0.8	0
164	Optical spectroscopy of Bi containing semiconductors. , 2010, , .		0
165	Glass-transition-induced lattice mode shifts in PVDF and HDPE observed with terahertz time-domain spectroscopy. , 2010, , .		0
166	Plasma-related phonon-sideband emission in semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1129-1132.	0.8	0
167	Monitoring the temperature distribution in high-power VECSELs. , 2011, , .		0
168	Ultra-fast inter-subband relaxation and non-thermal carrier distribution in Ge/SiGe quantum wells. , 2012, , .		0
169	Compositional disorder anomalies in Ga(N,P,As)/GaP quantum well structures. Journal of Physics: Conference Series, 2012, 376, 012021.	0.4	0
170	Interaction of excitons with THz pulses: Atom spectroscopy; on quasi-particles. , 2013, , .		0
171	Photoluminescence study of (Galn)As/(AlIn)As-based THz antenna materials for excitation. Journal of Luminescence, 2013, 138, 179-181.	3.1	0
172	Relaxation and recombination processes in Ge/SiGe multiple quantum wells. , 2013, , .		0
173	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
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