

Kazuaki Sakoda

List of Publications by Year in descending order

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198
papers

6,394
citations

101384

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76769

74
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208
all docs

208
docs citations

208
times ranked

4249
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties of Photonic Crystals. Springer Series in Optical Sciences, 2001, , .	0.5	852
2	Self-Assembly of Concentric Quantum Double Rings. Nano Letters, 2005, 5, 425-428.	4.5	357
3	Microassembly of semiconductor three-dimensional photonic crystals. Nature Materials, 2003, 2, 117-121.	13.3	273
4	Enhanced light amplification due to group-velocity anomaly peculiar to two- and three-dimensional photonic crystals. Optics Express, 1999, 4, 167.	1.7	181
5	Symmetry, degeneracy, and uncoupled modes in two-dimensional photonic lattices. Physical Review B, 1995, 52, 7982-7986.	1.1	162
6	Symmetric quantum dots as efficient sources of highly entangled photons: Violation of Bell's inequality without spectral and temporal filtering. Physical Review B, 2013, 88, .	1.1	116
7	Self-assembly of laterally aligned GaAs quantum dot pairs. Applied Physics Letters, 2006, 89, 113115.	1.5	110
8	Transmittance and Bragg reflectivity of two-dimensional photonic lattices. Physical Review B, 1995, 52, 8992-9002.	1.1	109
9	Localization of Electromagnetic Waves in Three-Dimensional Fractal Cavities. Physical Review Letters, 2004, 92, 093902.	2.9	97
10	Photonic bands of metallic systems. II. Features of surface plasmon polaritons. Physical Review B, 2001, 64, .	1.1	96
11	Dirac cone in two- and three-dimensional metamaterials. Optics Express, 2012, 20, 3898.	1.7	96
12	Low-threshold laser oscillation due to group-velocity anomaly peculiar to two- and three-dimensional photonic crystals. Optics Express, 1999, 4, 481.	1.7	94
13	Sum-frequency generation in a two-dimensional photonic lattice. Physical Review B, 1996, 54, 5742-5749.	1.1	91
14	Photonic bands of metallic systems. I. Principle of calculation and accuracy. Physical Review B, 2001, 64, .	1.1	90
15	Numerical method for localized defect modes in photonic lattices. Physical Review B, 1997, 56, 4830-4835.	1.1	88
16	Optical transmittance of a two-dimensional triangular photonic lattice. Physical Review B, 1995, 51, 4672-4675.	1.1	85
17	Proof of the universality of mode symmetries in creating photonic Dirac cones. Optics Express, 2012, 20, 25181.	1.7	82
18	Self-Assembly of Symmetric GaAs Quantum Dots on (111)A Substrates: Suppression of Fine-Structure Splitting. Applied Physics Express, 2010, 3, 065203.	1.1	77

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19	Double Dirac cones in triangular-lattice metamaterials. <i>Optics Express</i> , 2012, 20, 9925.	1.7	71
20	A Two-Dimensional Photonic Crystal Laser. <i>Japanese Journal of Applied Physics</i> , 1999, 38, L157-L159.	0.8	68
21	Fabrication of Two-Dimensional Photonic Band Structure with Near-Infrared Band Gap. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L1463-L1465.	0.8	67
22	Ultra-narrow emission from single GaAs self-assembled quantum dots grown by droplet epitaxy. <i>Nanotechnology</i> , 2009, 20, 395601.	1.3	65
23	Spectral diffusion and line broadening in single self-assembled GaAs δ -AlGaAs quantum dot photoluminescence. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	62
24	Control of microwave emission from electromagnetic crystals by lattice modifications. <i>Solid State Communications</i> , 2002, 124, 135-139.	0.9	57
25	Optical response of three-dimensional photonic lattices: Solutions of inhomogeneous Maxwell's equations and their applications. <i>Physical Review B</i> , 1996, 54, 5732-5741.	1.1	53
26	Lasing in GaAs δ -AlGaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 2006, 89, 183102.	1.5	50
27	Selective Plasmonic Enhancement of Electric- and Magnetic-Dipole Radiations of Er Ions. <i>Nano Letters</i> , 2016, 16, 5191-5196.	4.5	50
28	Scroll-like Alloyed CdS δ -Se δ Nanoplatelets: Facile Synthesis and Detailed Analysis of Tunable Optical Properties. <i>Chemistry of Materials</i> , 2017, 29, 579-586.	3.2	49
29	Self-Limiting Growth of Hexagonal and Triangular Quantum Dots on (111)A. <i>Crystal Growth and Design</i> , 2012, 12, 1411-1415.	1.4	44
30	Dark-Bright Mixing of Interband Transitions in Symmetric Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2011, 107, 166604.	2.9	41
31	Vanishing fine-structure splittings in telecommunication-wavelength quantum dots grown on (111)A surfaces by droplet epitaxy. <i>Physical Review B</i> , 2014, 90, .	1.1	41
32	Spontaneous Folding of CdTe Nanosheets Induced by Ligand Exchange. <i>Chemistry of Materials</i> , 2018, 30, 1710-1717.	3.2	41
33	High Temperature Photochemical Hole Burning of Tetrasodium 5,10,15,20-tetra(4-sulfonatophenyl)porphyrin in Polyvinylalcohol. <i>Japanese Journal of Applied Physics</i> , 1988, 27, L1304-L1306.	0.8	40
34	Numerical analysis of the interference patterns in the optical transmission spectra of a square photonic lattice. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 1961.	0.9	38
35	Optically monitored nuclear spin dynamics in individual GaAs quantum dots grown by droplet epitaxy. <i>Physical Review B</i> , 2008, 78, .	1.1	38
36	Ultra-sharp plasmonic resonances from monopole optical nanoantenna phased arrays. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	37

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37	Plasmonic Photonic Mode Coupling in Indium-Tin-Oxide Nanorod Arrays. ACS Photonics, 2014, 1, 163-172.	3.2	37
38	Numerical study on localized defect modes in two-dimensional triangular photonic crystals. Journal of Applied Physics, 1998, 84, 1210-1214.	1.1	36
39	Group-theoretical classification of eigenmodes in three-dimensional photonic lattices. Physical Review B, 1997, 55, 15345-15348.	1.1	35
40	GaAs/AlGaAs quantum dot laser fabricated on GaAs (311)A substrate by droplet epitaxy. Applied Physics Letters, 2008, 93, 203110.	1.5	35
41	Overcoming metal-induced fluorescence quenching on plasmo-photonic metasurfaces coated by a self-assembled monolayer. Chemical Communications, 2015, 51, 11470-11473.	2.2	35
42	Energy renormalization of exciton complexes in GaAs quantum dots. Physical Review B, 2010, 82, .	1.1	34
43	Universality of mode symmetries in creating photonic Dirac cones. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2770.	0.9	34
44	Size-dependent line broadening in the emission spectra of single GaAs quantum dots: Impact of surface charge on spectral diffusion. Physical Review B, 2015, 92, .	1.1	33
45	Limits on quality factors of localized defect modes in photonic crystals due to dielectric loss. Journal of Applied Physics, 1998, 84, 6299-6304.	1.1	32
46	Terahertz wave dispersion in two-dimensional photonic crystals. Physical Review B, 2001, 64, .	1.1	31
47	Unstrained GaAs Quantum Dashes Grown on GaAs(001) Substrates by Droplet Epitaxy. Applied Physics Express, 2010, 3, 045502.	1.1	28
48	Ultraviolet-nanoimprinted packaged metasurface thermal emitters for infrared CO ₂ sensing. Science and Technology of Advanced Materials, 2015, 16, 035005.	2.8	27
49	Numerical analysis of eigenmodes localized at line defects in photonic lattices. Physical Review B, 1997, 56, 14905-14908.	1.1	26
50	Role of structural electromagnetic resonances in a steerable left-handed antenna. Optics Express, 2010, 18, 27371.	1.7	26
51	Detailed analysis of transmission spectra and Bragg-reflection spectra of a two-dimensional photonic crystal with a lattice constant of 115 Åm. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 361.	0.9	25
52	Excitonic and biexcitonic decoherence in self-assembled GaAs quantum dots as observed by phase-locked interferography. Applied Physics Letters, 2006, 88, 124101.	1.5	25
53	Emission studies on photonic crystals fabricated using dyed polystyrene colloids. Journal of Applied Physics, 2007, 102, 123106.	1.1	25
54	High-energy exciton transitions in quasi-two-dimensional cadmium chalcogenide nanoplatelets. Physical Review B, 2017, 95, .	1.1	25

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55	Smart Processing Development of Photonic Crystals and Fractals. International Journal of Applied Ceramic Technology, 2004, 1, 40-48.	1.1	24
56	Evaluation of effective electric permittivity and magnetic permeability in metamaterial slabs by terahertz time-domain spectroscopy. Optics Express, 2008, 16, 4785.	1.7	24
57	Droplet epitaxial growth of highly symmetric quantum dots emitting at telecommunication wavelengths on InP(111)A. Applied Physics Letters, 2014, 104, .	1.5	24
58	Photon Correlation in GaAs Self-Assembled Quantum Dots. Applied Physics Express, 0, 1, 042001.	1.1	23
59	Geometrical impact on the optical polarization of droplet epitaxial quantum dots. Physical Review B, 2012, 86, .	1.1	23
60	Voltage dependence of two-step photocurrent generation in quantum dot intermediate band solar cells. Solar Energy Materials and Solar Cells, 2015, 134, 108-113.	3.0	23
61	Band Gap Modification of Diamond Photonic Crystals by Changing the Volume Fraction of the Dielectric Lattice. Journal of the American Ceramic Society, 2003, 86, 1691-1694.	1.9	22
62	Photoluminescence-enhanced plasmonic substrates fabricated by nanoimprint lithography. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2014, 13, 023007.	1.0	22
63	Ultrafast Energy Transfer in a Multichromophoric Layered Silicate. Journal of Physical Chemistry C, 2010, 114, 983-989.	1.5	21
64	Fluorescence resonance energy transfer and arrangements of fluorophores in integrated coumarin/cyanine systems within solid-state two-dimensional nanospace. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 225, 125-134.	2.0	21
65	Quality factor for localized defect modes in a photonic crystal slab upon a low-index dielectric substrate. Optics Letters, 2001, 26, 740.	1.7	20
66	Electromagnetic eigenmodes of a three-dimensional photonic fractal. Physical Review B, 2005, 72, .	1.1	20
67	Doubly enhanced spontaneous emission due to increased photon density of states at photonic band edge frequencies. Optics Express, 2009, 17, 13168.	1.7	20
68	Single-photon generation from a nitrogen impurity center in GaAs. Applied Physics Letters, 2012, 100, .	1.5	20
69	Single photon emission from droplet epitaxial quantum dots in the standard telecom window around a wavelength of 1.55 μ m. Applied Physics Express, 2020, 13, 025002.	1.1	20
70	Far-infrared spectroscopy study of an uncoupled mode in a two-dimensional photonic lattice. Physical Review B, 1995, 52, 16297-16300.	1.1	19
71	Electromagnetic wave control of ceramic/resin photonic crystals with diamond structure. Science and Technology of Advanced Materials, 2004, 5, 225-230.	2.8	19
72	Enhanced spontaneous emission observed at one-dimensional photonic band edges. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 45.	0.9	19

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73	Analytical study of two-dimensional degenerate metamaterial antennas. <i>Optics Express</i> , 2011, 19, 13899.	1.7	19
74	Bunched photon statistics of the spectrally diffusive photoluminescence of single self-assembled GaAs quantum dots. <i>Physical Review B</i> , 2012, 86, .	1.1	19
75	Stable and efficient collection of single photons emitted from a semiconductor quantum dot into a single-mode optical fiber. <i>Applied Physics Express</i> , 2016, 9, 032801.	1.1	19
76	Self-assembly of vertically aligned quantum ring-dot structure by Multiple Droplet Epitaxy. <i>Journal of Crystal Growth</i> , 2017, 477, 239-242.	0.7	19
77	Strong localization of microwave in photonic fractals with Menger-sponge structure. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1861-1864.	2.8	18
78	Acceleration and suppression of photoemission of GaAs quantum dots embedded in photonic crystal microcavities. <i>Applied Physics Letters</i> , 2008, 93, 111103.	1.5	18
79	Eigenmode symmetry for simple cubic lattices and the transmission spectra. <i>Optics Express</i> , 1998, 3, 19.	1.7	16
80	High-Temperature Photochemical Hole Burning. <i>Japanese Journal of Applied Physics</i> , 1989, 28, 229.	0.8	16
81	Photochemical hole burning of cationic porphin/saponite intercalation compounds. <i>Chemical Physics Letters</i> , 1993, 216, 270-274.	1.2	15
82	Enhancement of quadrature-phase squeezing in photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2060.	0.9	15
83	Growth of Metamorphic InGaAs on GaAs (111)A: Counteracting Lattice Mismatch by Inserting a Thin InAs Interlayer. <i>Crystal Growth and Design</i> , 2016, 16, 5412-5417.	1.4	15
84	Scaling law of enhanced second harmonic generation in finite Bragg stacks. <i>Optics Express</i> , 2005, 13, 9094.	1.7	14
85	Morphological control of GaAs quantum dots grown by droplet epitaxy using a thin AlGaAs capping layer. <i>Journal of Applied Physics</i> , 2010, 108, 083505.	1.1	14
86	Exciton-polariton mediated light propagation in anisotropic waveguides. <i>Physical Review B</i> , 2012, 86, .	1.1	14
87	Subnanomolar fluorescent-molecule sensing by guided resonances on nanoimprinted silicon-on-insulator substrates. <i>Applied Physics Letters</i> , 2014, 105, 201106.	1.5	14
88	Large-Area Resonance-Tuned Metasurfaces for On-Demand Enhanced Spectroscopy. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	14
89	Two-Step Formation of Gallium Droplets with High Controllability of Size and Density. <i>Crystal Growth and Design</i> , 2011, 11, 4647-4651.	1.4	13
90	Droplet epitaxy growth of telecom InAs quantum dots on metamorphic InAlAs/GaAs(111)A. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DH07.	0.8	13

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91	Novel approach to photonic bands with frequency-dependent dielectric constants. <i>Optics Express</i> , 1998, 3, 12.	1.7	12
92	Spontaneous emission from a two-level atom in a bisphere microcavity. <i>Physical Review A</i> , 2006, 74, .	1.0	12
93	Fabrication of GaNAs/AlGaAs Heterostructures with Large Band Offset Using Periodic Growth Interruption. <i>Applied Physics Express</i> , 2011, 4, 125001.	1.1	12
94	Study of Defect Levels in the Band Gap for a Thick InGaN Film. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 121001.	0.8	12
95	Optics of Photonic Crystals. <i>Optical Review</i> , 1999, 6, 381-392.	1.2	11
96	Determination of the surface band bending in In _x Ga _{1-x} N films by hard x-ray photoemission spectroscopy. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 015007.	2.8	11
97	Polarization-dependent continuous change in the propagation direction of Dirac-cone modes in photonic-crystal slabs. <i>Physical Review A</i> , 2014, 90, .	1.0	11
98	Broadband resonances in indium-tin-oxide nanorod arrays. <i>Applied Physics Letters</i> , 2015, 107, 031104.	1.5	11
99	Current-injection quantum-entangled-pair emitter using droplet epitaxial quantum dots on GaAs(111)A. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	11
100	Single-photon interferography in InAs \cdot InP quantum dots emitting at 1300nm wavelength. <i>Applied Physics Letters</i> , 2007, 91, 223113.	1.5	10
101	Enhanced Raman scattering in colloidal photonic crystals: A theoretical analysis. <i>Physical Review B</i> , 2008, 77, .	1.1	10
102	Fine structure splitting of quantum dot excitons: Role of geometry and environment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 881-883.	1.3	10
103	Wavelength extension beyond 1.5 μ m in symmetric InAs quantum dots grown on InP(111)A using droplet epitaxy. <i>Applied Physics Express</i> , 2016, 9, 101201.	1.1	10
104	Numerical Analysis of Localized Defect Modes in a Photonic Crystal: Two-Dimensional Triangular Lattice with Square Rods. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 4644-4647.	0.8	9
105	Ordering of GaAs quantum dots by droplet epitaxy. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 729-732.	0.7	9
106	Distribution of exciton emission linewidth observed for GaAs quantum dots grown by droplet epitaxy. <i>Journal of Luminescence</i> , 2010, 130, 2390-2393.	1.5	9
107	Exciton states of CdTe tetrapod-shaped nanocrystals. <i>Optical Materials Express</i> , 2011, 1, 379.	1.6	9
108	Apparatus for High-Precision Angle-Resolved Reflection Spectroscopy in the Mid-Infrared Region. <i>Applied Spectroscopy</i> , 2021, 75, 259-264.	1.2	9

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109	Mid-IR Dirac-cone dispersion relation materialized in SOI photonic crystal slabs. Optics Express, 2020, 28, 4194.	1.7	9
110	Two-Color Photoexcitation in a GaNAs/AlGaAs Quantum Well Solar Cell. Japanese Journal of Applied Physics, 2012, 51, 06FF15.	0.8	9
111	Electromagnetic Wave Diffractions in Ceramic/Polymer Photonic Crystals with Three-Dimensional Diamond Structure. Journal of the Ceramic Society of Japan, 2003, 111, 471-478.	1.3	8
112	Fabrication of Photonic Crystal with a Diamond Structure Having an Air Cavity Defect and its Microwave Properties. Journal of the American Ceramic Society, 2005, 88, 2480-2484.	1.9	8
113	90-degree light scattering by the Menger sponge fractal. Optics Express, 2005, 13, 9585.	1.7	8
114	Effects of low-temperature capping on the optical properties of GaAs/AlGaAs quantum wells. Nanoscale Research Letters, 2011, 6, 76.	3.1	8
115	Self-assembled GaAs quantum dots coupled with GaAs wetting layer grown on GaAs (311)A by droplet epitaxy. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 257-259.	0.8	8
116	Fabrication of transparent conducting polymer/GaN Schottky junction for deep level defect evaluation under light irradiation. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 470-473.	0.8	8
117	PHOTONIC DIRAC CONES REALIZED BY ACCIDENTAL DEGENERACY ON THE BRILLOUIN-ZONE BOUNDARY. International Journal of Modern Physics B, 2014, 28, 1441008.	1.0	8
118	Magneto photoluminescence in droplet epitaxial GaAs quantum rings. Physica Status Solidi (B): Basic Research, 2009, 246, 861-863.	0.7	7
119	Science and Engineering of Photonic Crystals. Progress in Optics, 2010, , 271-317.	0.4	7
120	Photocurrent characteristics in p-i-n diodes with built-in coupled or uncoupled multi-quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 349-351.	0.8	7
121	Scanning Fabry-Pérot interferometer with largely tuneable free spectral range for high resolution spectroscopy of single quantum dots. Review of Scientific Instruments, 2011, 82, 073103.	0.6	7
122	Design and fabrication of photonic crystal resonators for single-mode and vertical surface emission from strain-compensated quantum cascade lasers operating at 4.32 μm . Applied Physics Express, 2021, 14, 102003.	1.1	7
123	Angle-resolved reflection spectra of Dirac cones in triangular-lattice photonic crystal slabs. Optics Express, 2020, 28, 21601.	1.7	7
124	Spontaneous emission properties of a quantum dot in an ultrahigh-Q cavity: Crossover from weak- to strong-coupling states and robust quantum interference. Physical Review A, 2008, 77, .	1.0	6
125	Photocapacitance spectroscopy study of deep-level defects in freestanding n-GaN substrates using transparent conductive polymer Schottky contacts. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, .	0.6	6
126	Self-Assembly of GaAs Quantum Wires Grown on (311)A Substrates by Droplet Epitaxy. Applied Physics Express, 2011, 4, 055501.	1.1	6

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127	Study of Defect Levels in the Band Gap for a Thick InGaN Film. Japanese Journal of Applied Physics, 2012, 51, 121001.	0.8	6
128	Size-dependent contact angle of Ga droplets on GaAs. Journal of Crystal Growth, 2013, 378, 5-7.	0.7	6
129	Single Photon Generation from an Impurity Center with Well-Defined Emission Energy in GaAs. Japanese Journal of Applied Physics, 2013, 52, 04CG11.	0.8	6
130	Midinfrared Dispersion Relations in \ln -Based Photonic Crystal Slabs Revealed by Fourier-Transform Angle-Resolved Reflection Spectroscopy. Physical Review Applied, 2021, 15, .	1.5	6
131	Eigenmode symmetry assignment of triangular-lattice photonic crystal slabs and their Dirac cones materialized by effective degeneracy in the mid-infrared region. Optics Express, 2021, 29, 19486.	1.7	6
132	Quasi-triply-degenerate states and zero refractive index in two-dimensional all-dielectric photonic crystals. Optics Express, 2020, 28, 5548.	1.7	6
133	Photochemical hole burning of ionic porphins and the deuterated analogues. Chemical Physics Letters, 1994, 217, 152-156.	1.2	5
134	Electromagnetic properties of photonic crystals with diamond structure containing defects. Journal of Materials Research, 2003, 18, 2214-2220.	1.2	5
135	Exciton states of VI tetrapod-shaped nanocrystals. Optical Materials Express, 2013, 3, 977.	1.6	5
136	Bending losses of optically anisotropic exciton polaritons in organic molecular-crystal nanofibers. Optics Express, 2013, 21, 31420.	1.7	5
137	Polarization Anisotropies in Strain-Free, Asymmetric, and Symmetric Quantum Dots Grown by Droplet Epitaxy. Nanomaterials, 2021, 11, 443.	1.9	5
138	High-speed infrared photonic band microscope using hyperspectral Fourier image spectroscopy. Optics Letters, 2022, 47, 2430.	1.7	5
139	Photochemical hole burning of porphin-cross-linked polymethylmethacrylate. Chemical Physics Letters, 1993, 215, 488-492.	1.2	4
140	Heterodyne-Detected Accumulated Photon-Echo Spectroscopy of CuCl Quantum Dots. Japanese Journal of Applied Physics, 1999, 38, 577-580.	0.8	4
141	Superfluorescence in photonic crystals with pencil-like excitation. Physical Review A, 2003, 68, .	1.0	4
142	LCAO approximation for scaling properties of the Menger sponge fractal. Optics Express, 2006, 14, 11372.	1.7	4
143	Emission Spectra from a High Q Weak Coupling System. Journal of the Physical Society of Japan, 2006, 75, 094720.	0.7	4
144	Interferometric measurement in GaAs single quantum dots: Temperature dependence of exciton decoherence. Journal of Luminescence, 2007, 122-123, 789-791.	1.5	4

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145	Decoherence of single photons from an InAs/InP quantum dot emitting at a 1.3 μ m wavelength. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 944-947.	0.8	4
146	Enhanced Raman scattering in a colloidal crystal observed by a tunable laser light source. <i>Thin Solid Films</i> , 2009, 517, 1727-1730.	0.8	4
147	Coherent anti-Stokes Raman scattering of two-phonon complexes in diamond. <i>Optics Express</i> , 2009, 17, 20794.	1.7	4
148	Type-II recombination dynamics of tensile-strained GaP quantum dots in GaAs grown by droplet epitaxy. <i>Applied Physics Letters</i> , 2016, 109, 171902.	1.5	4
149	Excitonic Aharonov-Bohm effect in QD-on-ring nanostructures. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 385301.	0.7	4
150	Exciton Dynamics in Droplet Epitaxial Quantum Dots Grown on (311)A-Oriented Substrates. <i>Nanomaterials</i> , 2020, 10, 1833.	1.9	4
151	Structure and Electric Conductivity of Vapor Deposition Products of Cyano Acetylene. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 121, 329-332.	0.9	3
152	Enhanced stimulated emission in a two-dimensional photonic crystal. , 1998, 3491, 248.		3
153	Electromagnetic Properties of Photonic Crystals Composed of Normal and Inverse Diamond Structure with Graded Lattice Spacings.. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2002, 49, 1139-1144.	0.1	3
154	A New Functional Material; Photonic Fractal. <i>Materials Science Forum</i> , 2005, 492-493, 77-84.	0.3	3
155	Self-assembly of Ga droplets attached to GaAs quantum dots. <i>Journal of Crystal Growth</i> , 2013, 378, 53-56.	0.7	3
156	Dirac Cones in Periodically Modulated Quantum Wells. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 065002.	0.7	3
157	Enhanced Spontaneous Emission Rates for Single Isoelectronic Luminescence Centers in Photonic Crystal Cavities. <i>ACS Photonics</i> , 2020, 7, 321-326.	3.2	3
158	Annealing-Induced Structural Evolution of InAs Quantum Dots on InP (111)A Formed by Droplet Epitaxy. <i>Crystal Growth and Design</i> , 2021, 21, 3947-3953.	1.4	3
159	Observation of Two-dimensional Isotropic Double Dirac Cones in the Electromagnetic Dispersion Relation. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	0.7	3
160	Temperature dependence of the optical homogeneous width of mesoporphyrin and its aggregate in polyvinylalcohol at 1.8 \times 10 ⁵ K. <i>Journal of Luminescence</i> , 2000, 86, 249-255.	1.5	2
161	Formation of InGaAs Quantum Disks Using Droplet Lithography. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L736-L738.	0.8	2
162	Stage number and refractive index dependence of the quality factor of the localized electromagnetic eigenmodes in the Menger sponge fractal. <i>Optics Express</i> , 2007, 15, 1783.	1.7	2

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163	Extension of Absorption Wavelength in GaAs/AlGaAs Quantum Dots with Underlying Quantum Well for Solar Cell Application. Japanese Journal of Applied Physics, 2012, 51, 10ND14.	0.8	2
164	Modern Insights into Macroscopic Electromagnetic Fields. Springer Series in Materials Science, 2019, , 1-4.	0.4	2
165	Improved power and far-field pattern of surface-emitting quantum cascade lasers with strain compensation to operate at 4.3 μ m. Japanese Journal of Applied Physics, 2022, 61, 052001.	0.8	2
166	Photochemical hole burning and Debye-Waller factor in polyvinylalcohol doped with mesoporphyrin. Chemical Physics Letters, 1994, 231, 171-176.	1.2	1
167	Suppression of spectral diffusion in porphin-cross-linked polyvinylalcohol observed by photochemical hole burning. Journal of Luminescence, 1995, 64, 149-153.	1.5	1
168	Emission Control of Electromagnetic Wave by Using Diamond Photonic Crystals with Graded Lattice Spacing. Materials Science Forum, 2003, 423-425, 785-790.	0.3	1
169	Acceleration and deceleration of moving photonic crystals under irradiation. Physical Review B, 2005, 72, .	1.1	1
170	Single quantum dot emission after resonant excitation. , 2006, , .		1
171	Strong Localization of Electromagnetic Wave in Ceramic/Epoxy Photonic Fractals with Menger-Sponge Structure. Materials Science Forum, 2006, 512, 227-232.	0.3	1
172	Poissonian excitonic population of single QDs. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 884-886.	1.3	1
173	Emission-enhanced plasmonic substrates fabricated by nano-imprint lithography. , 2014, , .		1
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