

# Chunxiang Xu

## List of Publications by Year in descending order

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152  
papers

5,811  
citations

108046

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97045

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156  
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156  
docs citations

156  
times ranked

7580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface design for electrically pumped ultraviolet nanolaser from single ZnO-nanorod. <i>Nano Energy</i> , 2022, 93, 106832.	8.2	12
2	Realization of self-powered bidirectional photoresponse in the ultraviolet/visible wavelength region in ferroelectric heterojunctions. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	9
3	Crystallization-Enhanced Stability by Effectively Suppressing Photooxidation Defect for Optoelectronic Devices. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
4	Sulfate-Functionalized Core-Shell ZnO/CdS/Ag <sub>2</sub> S Nanorod Arrays with Dual-Charge-Transfer Channels for Enhanced Photoelectrochemical Performance. <i>ACS Applied Energy Materials</i> , 2022, 5, 6228-6237.	2.5	16
5	Crescent-shaped shadow of second harmonic generation in dielectric microsphere/TMD monolayer heterostructure. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 325301.	1.3	3
6	High-quality all-inorganic CsPbBr <sub>3</sub> single crystals prepared by a facile one-step solution growth method. <i>RSC Advances</i> , 2022, 12, 14838-14843.	1.7	5
7	Synergistic SERS enhancement and <i>in situ</i> monitoring of photocatalytic reactions in a plasmonic metal/ferroelectric hybrid system by the light-induced pyroelectric effect. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14078-14089.	5.2	9
8	Scaling Laws for Perovskite Nanolasers With Photonic and Hybrid Plasmonic Modes. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
9	Shallow trap mediated temperature-dependent exciton and Mn <sup>2+</sup> photoluminescence in CsPbCl <sub>3</sub> :Mn <sup>2+</sup> nanocrystals. <i>Journal of Applied Physics</i> , 2022, 132, 035102.	1.1	1
10	Dynamical tuning for single mode whispering gallery mode microcavity lasing. <i>Optics Communications</i> , 2021, 485, 126688.	1.0	4
11	Current-induced thermal tunneling electroluminescence <i>via</i> multiple donor-acceptor-pair recombination. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1174-1182.	2.7	5
12	Plasmon-exciton coupling dynamics and plasmonic lasing in a core-shell nanocavity. <i>Nanoscale</i> , 2021, 13, 6780-6785.	2.8	7
13	Nano-buffer controlled electron tunneling to regulate heterojunctional interface emission. <i>Opto-Electronic Advances</i> , 2021, 4, 200064-200064.	6.4	13
14	Inhomogeneous Trap-State-Mediated Ultrafast Photocarrier Dynamics in CsPbBr <sub>3</sub> Microplates. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6820-6829.	4.0	34
15	Spontaneous Radiation Amplification in a Microsphere-Coupled CsPbBr <sub>3</sub> Perovskite Vertical Structure. <i>Advanced Optical Materials</i> , 2021, 9, 2001932.	3.6	6
16	Spontaneous Radiation Amplification in a Microsphere-Coupled CsPbBr <sub>3</sub> Perovskite Vertical Structure ( <i>Advanced Optical Materials</i> 6/2021). <i>Advanced Optical Materials</i> , 2021, 9, 2170023.	3.6	0
17	Dynamics of interfacial carriers and negative photoconductance in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> -ZnO heterostructure. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	8
18	In Situ and Quantitative Vapor/Solid Anion Exchange for Composition Regulation and Optical Properties of Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2002186.	3.6	7

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19	Synthesis of Large-Area Uniform MoS <sub>2</sub> WS <sub>2</sub> Lateral Heterojunction Nanosheets for Photodetectors. ACS Applied Nano Materials, 2021, 4, 5522-5530.	2.4	17
20	Water-Recycled Perovskite for White Light-Emitting Diodes. Journal of Physical Chemistry C, 2021, 125, 10605-10610.	1.5	1
21	Thermal Quenching and Antiquenching of Photoluminescence in Solution-Grown Cs <sub>4</sub> PbBr <sub>6</sub> Perovskite Single Crystals. Journal of Physical Chemistry C, 2021, 125, 11278-11284.	1.5	10
22	Long-Range Ordered Hierarchical Structure Assisted by the Side-Oligoether Network in Light-Emitting Conjugated Polymer for an Efficient Deep-Blue Organic Laser. Chemistry of Materials, 2021, 33, 5326-5336.	3.2	13
23	Spatiotemporal sectioning of two-photon fluorescence ellipsoid with a CsPbBr <sub>3</sub> nanosheet. Nano Research, 2021, 14, 4288-4293.	5.8	10
24	Electrically driven optical resonance of spherical ZnO whispering gallery mode microcavity. Applied Physics Letters, 2021, 119, .	1.5	4
25	Thermal-Assisted UV-Photon Irradiation to Improve Crystallization and Luminescence Efficiency of ZnO. IEEE Transactions on Electron Devices, 2021, 68, 3283-3289.	1.6	6
26	A Bio-Inspired Molecular Design Strategy toward 2D Organic Semiconductor Crystals with Superior Integrated Optoelectronic Properties. Small, 2021, 17, e2102060.	5.2	12
27	Unraveling the synergetic mechanism of physisorption and chemisorption in laser-irradiated monolayer WS <sub>2</sub> . Nano Research, 2021, 14, 4274-4280.	5.8	6
28	Dynamic regulating of lasing mode in a whispering-gallery microresonator by thermo-optic effect. Applied Physics Letters, 2021, 119, .	1.5	4
29	10.1063/5.0062761.1. , 2021, , .		0
30	Ultra-strong mode confinement at semishell metal/insulator/semiconductor interface for nanolaser. Journal of Luminescence, 2021, 238, 118242.	1.5	3
31	Photoelectric dual-mode strain sensing based on piezoelectric effect. Journal of Luminescence, 2021, 238, 118237.	1.5	4
32	Thickness-dependent ultrafast charge-carrier dynamics and coherent acoustic phonon oscillations in mechanically exfoliated PdSe <sub>2</sub> flakes. Physical Chemistry Chemical Physics, 2021, 23, 20666-20674.	1.3	7
33	Wide-bandgap organic nanocrystals with high mobility and tunable lasing emission. Journal of Materials Chemistry C, 2021, 9, 3171-3176.	2.7	8
34	ZIF-8 Coupling with Reduced Graphene Oxide to Enhance the Electrochemical Sensing of Dopamine. Journal of the Electrochemical Society, 2021, 168, 116517.	1.3	21
35	Surface plasmon coupling regulated CsPbBr <sub>3</sub> perovskite lasers in a metal-insulator-semiconductor structure. RSC Advances, 2021, 11, 37218-37224.	1.7	6
36	CdS quantum dots/Au nanoparticles/ZnO nanowire array for self-powered photoelectrochemical detection of Escherichia coli O157:H7. Biosensors and Bioelectronics, 2020, 149, 111843.	5.3	66

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37	Floating GaN whispering gallery mode micro-ring lasing with Burstein-Moss effect. AIP Advances, 2020, 10, .	0.6	7
38	Surface plasmons promoted single-mode polariton lasing in a subwavelength ZnO nanowire. Nano Energy, 2020, 78, 105202.	8.2	16
39	Plasmon-coupled microcavity aptasensors for visual and ultra-sensitive simultaneous detection of Staphylococcus aureus and Escherichia coli. Analytical and Bioanalytical Chemistry, 2020, 412, 8117-8126.	1.9	10
40	A Bright and Stable Violet Carbon Dot Light-Emitting Diode. Advanced Optical Materials, 2020, 8, 2000239.	3.6	30
41	Double-triangular whispering-gallery mode lasing from a hexagonal GaN microdisk grown on graphene. Journal of Materials Science and Technology, 2020, 53, 140-145.	5.6	13
42	Diastereoisomer-Induced Morphology Tunable Self-Assembled Organic Microcrystals of Conjugated Molecules for Ultraviolet Laser. Advanced Materials Interfaces, 2020, 7, 1902057.	1.9	6
43	Current-Induced Thermal Tunneling Electroluminescence in a Single Highly Compensated Semiconductor Microrod. IScience, 2020, 23, 101210.	1.9	6
44	Synthesis of $2\text{H}\alpha\text{-Ta}^2\text{WS}_2$ - $\text{ReS}_2$ Heterophase Structures with Atomically Sharp Interface via Hydrogen-Triggered One-Pot Growth. Advanced Functional Materials, 2020, 30, 1910169.	7.8	42
45	Symmetrical Bi-Heterojunction Alternating Current Ultraviolet Light-Emitting Diode. IEEE Electron Device Letters, 2020, 41, 252-255.	2.2	8
46	Whispering-Gallery Mode Lasing in a Floating GaN Microdisk with a Vertical Slit. Scientific Reports, 2020, 10, 253.	1.6	22
47	Enhanced emission in organic nanocrystals via asymmetrical design of spirocyclic aromatic hydrocarbons. Nanoscale, 2020, 12, 9964-9968.	2.8	6
48	A core-dual-shell nanorod array with a cascading band configuration for enhanced photocatalytic properties and anti-photocorrosion. Journal of Materials Chemistry A, 2020, 8, 3726-3734.	5.2	25
49	Full-Spectrum Analysis of Perovskite-Based Surface Plasmon Nanolasers. Nanoscale Research Letters, 2020, 15, 66.	3.1	8
50	Exciton photoluminescence of $\text{CsPbBr}_3$ @ $\text{SiO}_2$ quantum dots and its application as a phosphor material in light-emitting devices. Optical Materials Express, 2020, 10, 1007.	1.6	12
51	Unveiling the Effects of Interchain Hydrogen Bonds on Solution Gelation and Mechanical Properties of Diarylfluorene-Based Semiconductor Polymers. Research, 2020, 2020, 3405826.	2.8	29
52	$\text{CsPbBr}_3$ interconnected microwire structure: temperature-related photoluminescence properties and its lasing action. Journal of Materials Chemistry C, 2019, 7, 10454-10459.	2.7	15
53	Lasing behaviors in solution processed all-inorganic $\text{CsPbBr}_3$ perovskite microsized crystals. Optics Communications, 2019, 453, 124354.	1.0	14
54	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. Chem, 2019, 5, 2470-2483.	5.8	45

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55	Brightness improvement in a graphene inserted GaN/ZnO heterojunction light emitting diode. Journal Physics D: Applied Physics, 2019, 52, 395104.	1.3	4
56	Highly Emissive Hierarchical Uniform Dialkylfluorene-Based Dimer Microcrystals for Ultraviolet Organic Laser. Journal of Physical Chemistry C, 2019, 123, 28881-28886.	1.5	6
57	Two Photonâ€Pumped Whisperingâ€Gallery Mode Lasing and Dynamic Regulation. Advanced Science, 2019, 6, 1900916.	5.6	9
58	Dual-band lasing from ZnO/CsPbBr <sub>3</sub> core/shell microcavity. Journal Physics D: Applied Physics, 2019, 52, 505101.	1.3	1
59	Femtomolar response of a plasmon-coupled ZnO/graphene/silver hybrid whispering-gallery mode microcavity for SERS sensing. Journal of Materials Chemistry C, 2019, 7, 2710-2716.	2.7	19
60	Photovoltaic-pyroelectric effect coupled broadband photodetector in self-powered ZnO/ZnTe core/shell nanorod arrays. Nano Energy, 2019, 62, 310-318.	8.2	111
61	Asymmetric Molecular Conformation of Steric Terfluorene toward Constructing Polyhedral Microcrystals for Deep-Blue Lasers. Journal of Physical Chemistry C, 2019, 123, 10000-10006.	1.5	3
62	Detachable surface plasmon substrate to enhance CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> lasing. Optics Communications, 2019, 452, 400-404.	1.0	9
63	Photoelectrochemical response to glutathione in Au-decorated ZnO nanorod array. Journal of Materials Chemistry C, 2019, 7, 5624-5629.	2.7	24
64	Vertically aligned ZnO/Ga <sub>2</sub> O <sub>3</sub> core/shell nanowire arrays as self-driven superior sensitivity solar-blind photodetectors. Journal of Materials Chemistry C, 2019, 7, 3056-3063.	2.7	48
65	Temporally Resolving Synchronous Degenerate and Nondegenerate Twoâ€Photon Absorption in 2D Semiconducting Monolayers. Laser and Photonics Reviews, 2019, 13, 1800225.	4.4	17
66	Dynamic regulating of single-mode lasing in ZnO microcavity by piezoelectric effect. Materials Today, 2019, 24, 33-40.	8.3	32
67	Singleâ€Crystal ZnO/AlN Core/Shell Nanowires for Ultraviolet Emission and Dualâ€Color Ultraviolet Photodetection. Advanced Optical Materials, 2019, 7, 1801522.	3.6	40
68	Plasmon-enhanced ZnO whispering-gallery mode lasing. Nano Research, 2018, 11, 3050-3064.	5.8	61
69	Structure Evolution of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Single Crystal Grown in <i>N,N</i> -Dimethylformamide Solution. Crystal Growth and Design, 2018, 18, 3132-3137.	1.4	13
70	Interfacial Control of ZnO Microrod for Whispering Gallery Mode Lasing. ACS Photonics, 2018, 5, 2313-2319.	3.2	11
71	Optical performance improvement in hydrothermal ZnO/graphene structures for ultraviolet lasing. Journal of Materials Chemistry C, 2018, 6, 3240-3244.	2.7	13
72	Efficient red up-conversion emission from Er <sup>3+</sup> -Yb <sup>3+</sup> co-doped rubidium lead iodide perovskite nanowires with surface plasmons. Applied Physics Letters, 2018, 112, .	1.5	7

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73	Dual functional NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> @NaYF <sub>4</sub> :Yb <sup>3+</sup> , Nd <sup>3+</sup> core-shell nanoparticles for cell temperature sensing and imaging. Nanotechnology, 2018, 29, 094001.	1.3	33
74	<i>In situ</i> synthesis of Ag nanoparticles-graphene oxide nanocomposites with strong SERS activity. Materials Research Express, 2018, 5, 015034.	0.8	12
75	Interface control for pure ultraviolet electroluminescence from nano-ZnO-based heterojunction devices. Science Bulletin, 2018, 63, 38-45.	4.3	40
76	Extra green light induced ZnO ultraviolet lasing enhancement assisted by Au surface plasmons. Nanoscale, 2018, 10, 623-627.	2.8	41
77	Template-free synthesis of porous ZnO/Ag microspheres as recyclable and ultra-sensitive SERS substrates. Applied Surface Science, 2018, 427, 830-836.	3.1	74
78	Low threshold lasing from novel thulium-incorporated C(NH <sub>2</sub> ) <sub>3</sub> PbI <sub>3</sub> perovskite thin films in Fabry-Pérot resonator. Journal of Materials Chemistry C, 2018, 6, 12537-12546.	2.7	6
79	Piezoelectric Effect Tuning on ZnO Microwire Whispering-Gallery Mode Lasing. ACS Nano, 2018, 12, 11899-11906.	7.3	51
80	Hydrogen-bonded-assisted supramolecular microwires for pure violet lasers: benefits of preventing intermolecular π-π stacking and aggregation in single crystals. Materials Chemistry Frontiers, 2018, 2, 2307-2312.	3.2	17
81	Three-Dimensional Core-Shell Nanorod Arrays for Efficient Visible-Light Photocatalytic H <sub>2</sub> Production. ACS Applied Materials & Interfaces, 2018, 10, 35184-35193.	4.0	22
82	Ultraviolet lasing in Zn-rich ZnO microspheres fabricated by laser ablation. Nanoscale, 2018, 10, 17852-17857.	2.8	11
83	Single-mode ultraviolet whispering gallery mode lasing from a floating GaN microdisk. Optics Letters, 2018, 43, 647.	1.7	33
84	Self-Assembled Growth of Ultrastable CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Milliwires for Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 25763-25769.	4.0	37
85	Controllable Fabrication of ZnO Microspheres for Whispering Gallery Mode Microcavity. Crystal Growth and Design, 2018, 18, 5279-5286.	1.4	15
86	Synergistic graphene/aluminum surface plasmon coupling for zinc oxide lasing improvement. Nano Research, 2017, 10, 1996-2004.	5.8	23
87	Underlying mechanism of blue emission enhancement in Au decorated p-GaN film. RSC Advances, 2017, 7, 15071-15076.	1.7	10
88	Dimerization effect of fluorene-based semiconductors on conformational planarization for microcrystal lasing. Journal of Materials Chemistry C, 2017, 5, 5345-5355.	2.7	32
89	Crystal structure and electron transition underlying photoluminescence of methylammonium lead bromide perovskites. Journal of Materials Chemistry C, 2017, 5, 7739-7745.	2.7	58
90	Plasmon-Induced Accelerated Exciton Recombination Dynamics in ZnO/Ag Hybrid Nanolasers. ACS Photonics, 2017, 4, 2419-2424.	3.2	38

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91	Temperature-dependent photoluminescence properties of mixed-cation methylammonium formamidium lead iodide $[\text{HC}(\text{NH}_2)_2]_x[\text{CH}_3\text{NH}_2]_{1-x}\text{PbI}_3$ perovskite nanostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12057-12061.	2.7	36
92	Lasing mode evolution and regulation of the perovskite $\text{CH}_3\text{NH}_3\text{PbBr}_3$ . <i>Journal of Materials Chemistry C</i> , 2017, 5, 9238-9241.	2.7	19
93	Unidirectional ultraviolet whispering gallery mode lasing from floating asymmetric circle GaN microdisk. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
94	A novel ultra-thin-walled ZnO microtube cavity supporting multiple optical modes for bluish-violet photoluminescence, low-threshold ultraviolet lasing and microfluidic photodegradation. <i>NPG Asia Materials</i> , 2017, 9, e442-e442.	3.8	33
95	Conformational Effect of Polymorphic Terfluorene on Photophysics, Crystal Morphologies, and Lasing Behaviors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14803-14810.	1.5	25
96	Plasmon enhancement for Vernier coupled single-mode lasing from ZnO/Pt hybrid microcavities. <i>Nano Research</i> , 2017, 10, 3447-3456.	5.8	25
97	Triple-Mode Emission of Carbon Dots: Applications for Advanced Anti-Counterfeiting. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7231-7235.	7.2	625
98	Triple-Mode Emission of Carbon Dots: Applications for Advanced Anti-Counterfeiting. <i>Angewandte Chemie</i> , 2016, 128, 7347-7351.	1.6	467
99	Plasmon-enhanced Electrically Light-emitting from ZnO Nanorod Arrays/p-GaN Heterostructure Devices. <i>Scientific Reports</i> , 2016, 6, 25645.	1.6	42
100	Burstein-Moss Effect Behind Au Surface Plasmon Enhanced Intrinsic Emission of ZnO Microdisks. <i>Scientific Reports</i> , 2016, 6, 36194.	1.6	48
101	SERS-active ZnO/Ag hybrid WGM microcavity for ultrasensitive dopamine detection. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	40
102	Comparative investigation on temperature-dependent photoluminescence of $\text{CH}_3\text{NH}_3\text{PbBr}_3$ and $\text{CH}(\text{NH}_2)_2\text{PbBr}_3$ microstructures. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4408-4413.	2.7	109
103	Dual-band Fabry-Perot lasing from single ZnO microbelt. <i>Optical Materials</i> , 2016, 60, 366-372.	1.7	11
104	Supramolecular Polymer-Molecule Complexes as Gain Media for Ultraviolet Lasers. <i>ACS Macro Letters</i> , 2016, 5, 967-971.	2.3	28
105	Plasmon-mediated exciton-phonon coupling in a ZnO microtower cavity. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7718-7723.	2.7	13
106	Triple-Mode Emission of Carbon Dots: Applications for Advanced Anti-Counterfeiting ( <i>Angew. Chem.</i> 25/2016). <i>Angewandte Chemie</i> , 2016, 128, 7384-7384.	1.6	9
107	3D Ag/ZnO hybrids for sensitive surface-enhanced Raman scattering detection. <i>Applied Surface Science</i> , 2016, 365, 291-295.	3.1	46
108	Facilely synthesized N-doped carbon quantum dots with high fluorescent yield for sensing $\text{Fe}^{3+}$ . <i>New Journal of Chemistry</i> , 2016, 40, 2083-2088.	1.4	134

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109	Green emission and Ag <sup>+</sup> sensing of hydroxy double salt supported gold nanoclusters. <i>Nanoscale</i> , 2016, 8, 5120-5125.	2.8	14
110	Study on the fluorescence quenching of ZnO by graphene oxide. <i>Optoelectronics Letters</i> , 2016, 12, 35-38.	0.4	1
111	Energy band modification for UV photoresponse improvement in a ZnO microrod-quantum dot structure. <i>RSC Advances</i> , 2016, 6, 687-691.	1.7	7
112	Facile synthesis of highly conductive sulfur-doped reduced graphene oxide sheets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1125-1130.	1.3	103
113	Improved UV photoresponse of ZnO nanorod arrays by resonant coupling with surface plasmons of Al nanoparticles. <i>Nanoscale</i> , 2015, 7, 3396-3403.	2.8	157
114	Electro-pumped whispering gallery mode ZnO microlaser array. <i>Applied Physics Letters</i> , 2015, 106, 021111.	1.5	22
115	Optical and Exciton Dynamical Properties of a Screw-Dislocation-Driven ZnO:Sn Microstructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12655-12662.	4.0	8
116	Single Mode ZnO Whispering-Gallery Submicron Cavity and Graphene Improved Lasing Performance. <i>ACS Nano</i> , 2015, 9, 6794-6800.	7.3	78
117	A facile preparation route for highly conductive borate cross-linked reduced graphene oxide paper. <i>New Journal of Chemistry</i> , 2015, 39, 6907-6913.	1.4	17
118	Plasmon coupled Fabry-Perot lasing enhancement in graphene/ZnO hybrid microcavity. <i>Scientific Reports</i> , 2015, 5, 9263.	1.6	36
119	Plasmon-Enhanced Whispering Gallery Mode Lasing from Hexagonal Al/ZnO Microcavity. <i>ACS Photonics</i> , 2015, 2, 73-77.	3.2	54
120	Lasing behavior modulation in a layered cylindrical microcavity. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 93-100.	1.1	3
121	Improved Whispering-Gallery Mode Lasing of ZnO Microtubes Assisted by the Localized Surface Plasmon Resonance of Au Nanoparticles. <i>Science of Advanced Materials</i> , 2015, 7, 1156-1162.	0.1	22
122	Graphene induced high-Q hybridized plasmonic whispering gallery mode microcavities. <i>Optics Express</i> , 2014, 22, 23836.	1.7	18
123	Manganese ion-assisted assembly of superparamagnetic graphene oxide microbowls. <i>Applied Physics Letters</i> , 2014, 104, 121602.	1.5	2
124	Whispering gallery mode lasing in ZnO microcavities. <i>Laser and Photonics Reviews</i> , 2014, 8, 469-494.	4.4	115
125	Direct Resonant Coupling of Al Surface Plasmon for Ultraviolet Photoluminescence Enhancement of ZnO Microrods. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18301-18305.	4.0	69
126	Graphene Surface Plasmon Induced Optical Field Confinement and Lasing Enhancement in ZnO Whispering-Gallery Microcavity. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 10469-10475.	4.0	54



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127	Photoluminescence and Two-Photon Lasing of ZnO:Sn Microdisks. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14542-14547.	1.5	9
128	Nanostructured ZnO for biosensing applications. <i>Science Bulletin</i> , 2013, 58, 2563-2566.	1.7	41
129	Localized Surface Plasmon Resonance-Enhanced Two-Photon Excited Ultraviolet Emission of Au-Decorated ZnO Nanorod Arrays. <i>Advanced Optical Materials</i> , 2013, 1, 940-945.	3.6	33
130	Control mechanism behind broad fluorescence from violet to orange in ZnO quantum dots. <i>CrystEngComm</i> , 2013, 15, 977-981.	1.3	39
131	Single ZnO Microrod Ultraviolet Photodetector with High Photocurrent Gain. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9344-9348.	4.0	101
132	Simulation on initial growth stages of graphene on Pt (111) surface. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	7
133	Ultraviolet electroluminescence from n-ZnO/i-MgO/p+-GaN heterojunction light-emitting diodes fabricated by RF-magnetron sputtering. <i>Applied Physics B: Lasers and Optics</i> , 2012, 109, 195-199.	1.1	15
134	Hybrid single/poly-crystalline ZnO nanoarray arrays: facile synthesis and enhanced field emission properties. <i>RSC Advances</i> , 2012, 2, 11601.	1.7	4
135	Ultraviolet electroluminescence from horizontal ZnO microrods/GaN heterojunction light-emitting diode array. <i>Applied Physics Letters</i> , 2012, 101, 041110.	1.5	36
136	Surface photoluminescence and magnetism in hydrothermally grown undoped ZnO nanorod arrays. <i>Applied Physics Letters</i> , 2012, 100, 172401.	1.5	41
137	Lasing Behavior Modulation for ZnO Whispering-Gallery Microcavities. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6195-6201.	4.0	44
138	Identification of visible emission from ZnO quantum dots: Excitation-dependence and size-dependence. <i>Journal of Applied Physics</i> , 2012, 111, 083521.	1.1	40
139	Welding of gold nanowires with different joining procedures. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	11
140	Structure evolution of Zn cluster on graphene for ZnO nanostructure growth. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	12
141	Growth mechanism and multiphoton-induced photoluminescence of crownlike zinc oxide. <i>Journal of Materials Science</i> , 2011, 46, 1877-1883.	1.7	7
142	Comparative investigation on decorating carbon nanotubes with different transition metals. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 333-337.	1.1	9
143	ZnO quantum dot labeled immunosensor for carbohydrate antigen 19-9. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2720-2723.	5.3	104
144	Low temperature sintering of Ag nanoparticles for flexible electronics packaging. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	265

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145	Multi-photon induced ultraviolet emission from hexagram-shaped ZnO nanorods. Applied Physics A: Materials Science and Processing, 2009, 95, 381-385.	1.1	11
146	Tyrosinase Immobilization on ZnO Nanorods for Phenol Detection. Journal of Physical Chemistry B, 2009, 113, 377-381.	1.2	85
147	Whispering gallery-mode lasing in ZnO microrods at room temperature. Applied Physics Letters, 2009, 95, .	1.5	101
148	Growth and spectral analysis of ZnO nanotubes. Journal of Applied Physics, 2008, 103, 094303.	1.1	37
149	Strategies to Improve Field Emission Performance of Nanostructural ZnO. Journal of Electronic Materials, 2007, 36, 543-548.	1.0	4
150	Field emission from gallium-doped zinc oxide nanofiber array. Applied Physics Letters, 2004, 84, 1540-1542.	1.5	255
151	Field emission from zinc oxide nanopins. Applied Physics Letters, 2003, 83, 3806-3808.	1.5	332
152	Electro-Optic Effect of ZnO Microcavity and Active Dynamic Lasing Mode Modulation. Advanced Optical Materials, 0, , 2201080.	3.6	1