

Shuang-Peng Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1659955/publications.pdf>

Version: 2024-02-01

150
papers

3,688
citations

156536

32
h-index

198040

52
g-index

152
all docs

152
docs citations

152
times ranked

4900
citing authors

#	ARTICLE	IF	CITATIONS
1	Single stain hyperspectral imaging for accurate fungal pathogens identification and quantification. Nano Research, 2022, 15, 6399-6406.	5.8	20
2	Remarkable synergistic effect in cobalt-iron nitride/alloy nanosheets for robust electrochemical water splitting. Journal of Energy Chemistry, 2022, 65, 405-414.	7.1	81
3	In situ surface reconstruction on LaCoO ₃ leads to enhanced hydrogen evolution reaction. Journal of Alloys and Compounds, 2022, 891, 161754.	2.8	11
4	Corrosion engineering boosting bulk Fe ₅₀ Mn ₃₀ Co ₁₀ Cr ₁₀ high-entropy alloy as high-efficient alkaline oxygen evolution reaction electrocatalyst. Journal of Materials Science and Technology, 2022, 109, 267-275.	5.6	32
5	Investigation by nanosecond fiber laser for hybrid color marking and its potential application. Optics and Laser Technology, 2022, 147, 107553.	2.2	7
6	One-step synthesized single component white emitting carbon microspheres for lighting. Journal of Luminescence, 2022, 242, 118606.	1.5	1
7	Realization of integrative hierarchy by in-situ solidification of "semi-cured" microcilia array in candle flame for robust and flexible superhydrophobicity. Chemical Engineering Journal, 2022, 432, 134400.	6.6	6
8	Insightful view on the active sites of Ni/Ni ₃ P for hydrogen evolution reaction. Applied Materials Today, 2022, 26, 101343.	2.3	8
9	Activated Triplet Exciton Release for Highly Efficient Room-Temperature Phosphorescence Based on S,N-Doped Polymeric Carbon Nitride. Journal of Physical Chemistry Letters, 2022, 13, 726-732.	2.1	3
10	Co ₃ Mo ₃ N nanosheets arrays on nickel foam as highly efficient bifunctional electrocatalysts for overall urea electrolysis. International Journal of Hydrogen Energy, 2022, 47, 11447-11455.	3.8	17
11	Anodized Steel: The Most Promising Bifunctional Electrocatalyst for Alkaline Water Electrolysis in Industry. Advanced Functional Materials, 2022, 32, .	7.8	37
12	Giant moiré trapping of excitons in twisted hBN. Optics Express, 2022, 30, 10596.	1.7	2
13	Enhanced p-Type Conductivity of NiO Films with Divalent Cd Ion Doping for Efficient Inverted Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 17434-17443.	4.0	13
14	Co ₂ N _{0.67} /MoO ₂ Heterostructure as High-Efficiency Electrocatalysts for the Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2022, 5, 440-448.	2.5	15
15	Directed exfoliating and ordered stacking of transition-metal-dichalcogenides. Nanoscale, 2022, 14, 7484-7492.	2.8	2
16	Wafer-Scale 2H-MoS ₂ Monolayer for High Surface-Enhanced Raman Scattering Performance: Charge Transfer Coupled with Molecule Resonance. Advanced Materials Technologies, 2022, 7, .	3.0	14
17	In-situ generation of Ni-CoOOH through deep reconstruction for durable alkaline water electrolysis. Chemical Engineering Journal, 2022, 443, 136432.	6.6	38
18	Structural Engineering of Ultrathin, Lightweight, and Bendable Electrodes Based on a Nanowire Network Current Collector Enables Flexible Energy-Storage Devices. ACS Applied Energy Materials, 2022, 5, 5785-5796.	2.5	2

#	ARTICLE	IF	CITATIONS
19	On the accurate characterization of quantum-dot light-emitting diodes for display applications. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	8
20	Advances in oxide semiconductors for surface enhanced Raman scattering. <i>Applied Materials Today</i> , 2022, 29, 101563.	2.3	6
21	Design of phosphorus-functionalized MXenes for highly efficient hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 597-606.	5.2	20
22	Freestanding CH ₃ NH ₃ PbBr ₃ single-crystal microwires for optoelectronic applications synthesized with a predefined lattice framework. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4771-4781.	2.7	7
23	Theoretical evidence of the spin-valley coupling and valley polarization in two-dimensional MoSi ₂ X ₄ (X = N, P, and As). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3144-3151.	1.3	53
24	First-principles study on electronic and optical properties of Mg-N dual-acceptor codoped CuAlO ₂ . <i>Materials Research Express</i> , 2021, 8, 015904.	0.8	0
25	Close-loop recycling of perovskite solar cells through dissolution-recrystallization of perovskite by butylamine. <i>Cell Reports Physical Science</i> , 2021, 2, 100341.	2.8	32
26	Multi-Phase Heterostructure of CoNiP/Co _x P for Enhanced Hydrogen Evolution Under Alkaline and Seawater Conditions by Promoting H ₂ O Dissociation. <i>Small</i> , 2021, 17, e2007557.	5.2	83
27	Dialkylamines Driven Two-Step Recovery of NiO _x /ITO Substrates for High-Reproducibility Recycling of Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4735-4741.	2.1	15
28	Quaternary-metal phosphide as electrocatalyst for efficient hydrogen evolution reaction in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18878-18886.	3.8	10
29	Aluminum-Based Surface Polymerization on Carbon Dots with Aggregation-Enhanced Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4530-4536.	2.1	16
30	Stable and Efficient Blue-Emitting CsPbBr ₃ Nanoplatelets with Potassium Bromide Surface Passivation. <i>Small</i> , 2021, 17, e2101359.	5.2	41
31	Fast Response Organic Tandem Photodetector for Visible and Near-Infrared Digital Optical Communications. <i>Small</i> , 2021, 17, e2101316.	5.2	49
32	Aligned Millineedle Arrays for Solar Power Seawater Desalination with Site-Specific Salt Formation. <i>Small</i> , 2021, 17, e2101487.	5.2	36
33	Unravelling the Reaction Mechanisms of N ₂ Fixation on Molybdenum Nitride: A Full DFT Study from the Pristine Surface to Heteroatom Anchoring. <i>ChemSusChem</i> , 2021, 14, 3257-3266.	3.6	22
34	Stable UV-Pumped White Light-Emitting Diodes Based on Anthracene-Coated CsCu ₂ I ₃ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 13076-13083.	1.5	19
35	Development of Perovskite Oxide-Based Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , 2021, 17, e2101605.	5.2	71
36	IP and OOP ferroelectricity in hexagonal In ₂ Se ₃ nanoflakes grown by chemical vapor deposition. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159344.	2.8	8

#	ARTICLE	IF	CITATIONS
37	Robust Ultralong Lead Halide Perovskite Microwire Lasers. ACS Applied Materials & Interfaces, 2021, 13, 38458-38466.	4.0	14
38	Multichannel Generations of Orbital Angular Momentum Modes with On-Demand Characteristics on a Chip. Advanced Optical Materials, 2021, 9, 2101308.	3.6	7
39	Numerical investigation of the effect of laser shock peening parameters on the residual stress and deformation response of 7075 aluminum alloy. Optik, 2021, 243, 167446.	1.4	18
40	Emerging core-shell nanostructures for surface-enhanced Raman scattering (SERS) detection of pesticide residues. Chemical Engineering Journal, 2021, 424, 130323.	6.6	72
41	Hybrid plasmonic leaky-mode lasing on subwavelength scale. Chinese Optics, 2021, 14, 397-408.	0.2	0
42	The catalyst-free growth of layer-structured $\text{CuInSe}_2/\text{In}_2\text{Se}_3$ microwires for ultrasensitive self-powered photodetectors based on a lateral p-n junction. Journal of Materials Chemistry C, 2021, 9, 9484-9491.	2.7	8
43	Development of Electrocatalysts for Efficient Nitrogen Reduction Reaction under Ambient Condition. Advanced Functional Materials, 2021, 31, 2008983.	7.8	124
44	Efficiency Improvement of Quantum Dot Light-Emitting Diodes via Thermal Damage Suppression with HATCN. ACS Applied Materials & Interfaces, 2021, 13, 49058-49065.	4.0	1
45	3D $\text{Ni}_3\text{S}_2@\text{CoFe-LDH}$ core-shell electrocatalysts for efficient water oxidation. International Journal of Hydrogen Energy, 2021, 46, 39636-39644.	3.8	26
46	Phosphorescent Carbon-Nanodots-Assisted Förster Resonant Energy Transfer for Achieving Red Afterglow in an Aqueous Solution. ACS Nano, 2021, 15, 16242-16254.	7.3	94
47	Development of Perovskite Oxide-Based Electrocatalysts for Oxygen Evolution Reaction (Small) Tj ETQq1 1 0.784314 rgBT /Overloc	3.2	10
48	Observation and Suppression of Stacking Interface States in Sandwich-Structured Quantum Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 56630-56637.	4.0	5
49	Surface mediated ligands addressing bottleneck of room-temperature synthesized inorganic perovskite nanocrystals toward efficient light-emitting diodes. Nano Energy, 2020, 70, 104467.	8.2	56
50	Single-step synthesis of polychromatic carbon quantum dots for macroscopic detection of Hg^{2+} . Ecotoxicology and Environmental Safety, 2020, 190, 110141.	2.9	46
51	Degradation of quantum dot light emitting diodes, the case under a low driving level. Journal of Materials Chemistry C, 2020, 8, 2014-2018.	2.7	31
52	Fluorescent and visual detection of methyl-paraoxon by using boron-and nitrogen-doped carbon dots. Microchemical Journal, 2020, 154, 104547.	2.3	36
53	High-Brightness and Color-Tunable FAPbBr_3 Perovskite Nanocrystals 2.0 Enable Ultrapure Green Luminescence for Achieving Recommendation 2020 Displays. ACS Applied Materials & Interfaces, 2020, 12, 2835-2841.	4.0	61
54	Combined Experimental and Theoretical Assessment of WX_y (X = C, N, S, P) for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 1082-1088.	2.5	32

#	ARTICLE	IF	CITATIONS
55	Thermal stability and photoluminescence of Mn ²⁺ activated green-emitting feldspar phosphor SrAl ₂ Si ₂ O ₈ : Mn ²⁺ for wide gamut w-LED backlight. <i>Optical Materials</i> , 2020, 99, 109535.	1.7	25
56	Optoelectronic Modulation of Undoped NiO Films for Inverted Perovskite Solar Cells via Intrinsic Defect Regulation. <i>ACS Applied Energy Materials</i> , 2020, 3, 9732-9741.	2.5	20
57	Two-dimensional materials as novel co-catalysts for efficient solar-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23202-23230.	5.2	81
58	Mo incorporated Ni nanosheet as high-efficiency co-catalyst for enhancing the photocatalytic hydrogen production of g-C ₃ N ₄ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18912-18921.	3.8	25
59	2D materials: Excellent substrates for surface-enhanced Raman scattering (SERS) in chemical sensing and biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115983.	5.8	66
60	Theoretical Screening of Single Atoms Supported on Two-Dimensional Nb ₂ CN ₂ for Nitrogen Fixation. <i>ACS Applied Nano Materials</i> , 2020, 3, 11274-11281.	2.4	34
61	High-Efficiency and Stable Inverted Planar Perovskite Solar Cells with Pulsed Laser Deposited Cu-Doped NiO Hole-Transport Layers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50684-50691.	4.0	33
62	Synthesis of Core-Shell Au@TiO ₂ @C Nanoparticles and Their Photocatalytic Properties for the Degradation of Rhodamine B Under Simulated Solar Light. <i>ChemistrySelect</i> , 2020, 5, 10055-10059.	0.7	3
63	Substrate strain engineering: an efficient strategy to enhance the catalytic activity of SACs on waved graphene for e-NRR. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3773-3779.	2.5	13
64	Investigation on the role of amines in the liquefaction and recrystallization process of MAPbI ₃ perovskite. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13585-13593.	5.2	11
65	A new fluorescent technique for pesticide detection by using metal coordination polymer and nanozyme. <i>Chinese Medicine</i> , 2020, 15, 22.	1.6	10
66	Waved 2D Transition-Metal Disulfides for Nanodevices and Catalysis: A First-Principle Study. <i>ACS Applied Nano Materials</i> , 2020, 3, 2804-2812.	2.4	17
67	Solvent Effects on the Interface and Film Integrity of Solution-Processed ZnO Electron Transfer Layers for Quantum Dot Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1074-1080.	2.0	10
68	Aliphatic Group-Tethered Iridium Complex as a Theranostic Agent against Malignant Melanoma Metastasis. <i>ACS Applied Bio Materials</i> , 2020, 3, 2017-2027.	2.3	13
69	Shape-control growth of 2D-In ₂ Se ₃ with out-of-plane ferroelectricity by chemical vapor deposition. <i>Nanoscale</i> , 2020, 12, 20189-20201.	2.8	21
70	Vertically-aligned 1T/2H-MS ₂ (M=Mo, W) nanosheets for surface-enhanced Raman scattering with long-term stability and large-scale uniformity. <i>Applied Surface Science</i> , 2020, 527, 146769.	3.1	33
71	1T Transition-Metal Dichalcogenides: Strong Bulk Photovoltaic Effect for Enhanced Solar-Power Harvesting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11221-11228.	1.5	11
72	Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. <i>Advanced Functional Materials</i> , 2019, 29, 1805893.	7.8	69

#	ARTICLE	IF	CITATIONS
73	Enhancement of Visible-Light Photocatalytic Hydrogen Production by CeCO ₃ /OH in g-C ₃ N ₄ /CeO ₂ System. ChemCatChem, 2019, 11, 1069-1075.	1.8	24
74	A simple method for the preparation of multi-color carbon quantum dots by using reversible regulatory color transformation. Mikrochimica Acta, 2019, 186, 612.	2.5	10
75	Tailoring the Photoluminescence Excitation Dependence of the Carbon Dots via an Alkali Treatment. Journal of Physical Chemistry Letters, 2019, 10, 4596-4602.	2.1	26
76	Suppression of coffee-ring effect via periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. Nanoscale, 2019, 11, 20534-20545.	2.8	21
77	Homogeneous Core/Shell NiMoO ₄ @NiMoO ₄ and Activated Carbon for High Performance Asymmetric Supercapacitor. Nanomaterials, 2019, 9, 1033.	1.9	12
78	Enhanced Second-Harmonic Generation in a Single Microwire Based on Localized Surface Plasmon. Physica Status Solidi (B): Basic Research, 2019, 256, 1900075.	0.7	0
79	Ultrafine WC _{1-x} Nanocrystals: An Efficient Cocatalyst for the Significant Enhancement of Photocatalytic Hydrogen Evolution on g-C ₃ N ₄ . Journal of Physical Chemistry C, 2019, 123, 26136-26144.	1.5	33
80	Lithography-Free Formation of Controllable Microdomes via Droplet Templates for Robust, Ultrasensitive, and Flexible Pressure Sensors. ACS Applied Nano Materials, 2019, 2, 7178-7187.	2.4	25
81	Mixed Two-Dimensional Organic-Inorganic Halide Perovskites for Highly Efficient and Stable Photovoltaic Application. Molecules, 2019, 24, 2144.	1.7	2
82	Surface polarity control in ZnO films deposited by pulsed laser deposition. Applied Surface Science, 2019, 483, 1129-1135.	3.1	32
83	Electrocatalytic Hydrogen Production: Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater (Adv. Funct. Mater. 8/2019). Advanced Functional Materials, 2019, 29, 1970046.	7.8	28
84	High transmittance Er-doped ZnO thin films as electrodes for organic light-emitting diodes. Applied Physics Letters, 2019, 115, .	1.5	14
85	Network-Like Ni _x Mo _x Nanosheets: Multi-Functional Electrodes for Overall Water Splitting and Supercapacitor. ChemElectroChem, 2019, 6, 1338-1343.	1.7	16
86	Fluorometric determination of pesticides and organophosphates using nanoceria as a phosphatase mimic and an inner filter effect on carbon nanodots. Mikrochimica Acta, 2019, 186, 66.	2.5	47
87	Enhancing ultraviolet photoresponsivity of an oversized Sn-doped ZnO microwire based photodetector. Journal of Materials Science: Materials in Electronics, 2019, 30, 518-524.	1.1	1
88	Influence of Shell Thickness on the Performance of NiO-Based All-Inorganic Quantum Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 14894-14900.	4.0	30
89	Flexible ultrahigh-Q-factor bottle-like microcavity laser. Journal Physics D: Applied Physics, 2018, 51, 065107.	1.3	4
90	3D heterostructured pure and N-Doped Ni ₃ S ₂ /VS ₂ nanosheets for high efficient overall water splitting. Electrochimica Acta, 2018, 269, 55-61.	2.6	132

#	ARTICLE	IF	CITATIONS
91	Low-Cost Flexible ZnO Microwires Array Ultraviolet Photodetector Embedded in PAVL Substrate. Nanoscale Research Letters, 2018, 13, 277.	3.1	8
92	Controlled compensation via non-equilibrium electrons in ZnO. Scientific Reports, 2018, 8, 17020.	1.6	3
93	N and V Coincorporated Ni Nanosheets for Enhanced Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 16525-16531.	3.2	25
94	Band offset and an ultra-fast response UV-VIS photodetector in $\text{In}_2\text{Se}_3/\text{p-Si}$ heterojunction heterostructures. RSC Advances, 2018, 8, 29555-29561.	1.7	17
95	Low-Threshold Whispering-Gallery Mode Upconversion Lasing via Simultaneous Six-Photon Absorption. Advanced Optical Materials, 2018, 6, 1800407.	3.6	12
96	A one-dimensional random laser based on artificial high-index contrast scatterers. Nanoscale, 2017, 9, 6959-6964.	2.8	15
97	Electrically Driven Single Microwire-Based Heterojunction Light-Emitting Devices. ACS Photonics, 2017, 4, 1286-1291.	3.2	26
98	Piezophototronic-Enhanced Electrically Pumped Lasing. Advanced Materials, 2017, 29, 1602832.	11.1	35
99	Pressure and temperature-dependent Raman spectra of MoS ₂ film. Applied Physics Letters, 2016, 109, .	1.5	33
100	Black-colored ZnO nanowires with enhanced photocatalytic hydrogen evolution. Nanotechnology, 2016, 27, 22LT01.	1.3	15
101	Conduction band discontinuity and carrier multiplication at the $\text{Mg}_x\text{Zn}_{1-x}\text{O}/\text{Mg}_y\text{Zn}_{1-y}\text{O}$ interface. RSC Advances, 2016, 6, 34955-34958.	1.7	7
102	Transparent ultraviolet photovoltaic cells. Optics Letters, 2016, 41, 685.	1.7	11
103	Effect of deposition temperature on the structural and surface properties of AlN by plasma enhanced atomic layer deposition. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2016, 45, 0421001.	0.1	0
104	Fabry-Perot resonance enhanced electrically pumped random lasing from ZnO films. Applied Physics Letters, 2015, 107, .	1.5	11
105	Random lasing realized in n-ZnO/p-MgZnO core-shell nanowire heterostructures. CrystEngComm, 2015, 17, 3917-3922.	1.3	13
106	Ultra-low threshold avalanche gain from solar-blind photodetector based on graded-band-gap-cubic-MgZnO. Optics Express, 2015, 23, 32329.	1.7	16
107	Intense electroluminescence from ZnO nanowires. Journal of Materials Chemistry C, 2015, 3, 5292-5296.	2.7	14
108	High gain Ga ₂ O ₃ solar-blind photodetectors realized via a carrier multiplication process. Optics Express, 2015, 23, 13554.	1.7	153

#	ARTICLE	IF	CITATIONS
109	Photoluminescence Analysis of the Ternary Alloy GaAsSb Sulfur Passivation. , 2015, , .		1
110	Surface Periodic Nanostructure of $\text{In}_x\text{P}_{1-x}\text{GaSb}$ Irradiated by Femtosecond Laser and Optical Properties Research. Nanoscience and Nanotechnology Letters, 2015, 7, 1-5.	0.4	9
111	Synthesis and Characterization of ZnO/Ag-Doped ZnO Core-Shell Nanowires. Nanoscience and Nanotechnology Letters, 2015, 7, 643-647.	0.4	1
112	Optical Properties of Arsenic-Doped MgZnO Films Treated by Thermal Annealing. Nanoscience and Nanotechnology Letters, 2015, 7, 817-821.	0.4	0
113	Enhanced solar-blind responsivity of photodetectors based on cubic MgZnO films via gallium doping. Optics Express, 2014, 22, 246.	1.7	32
114	Graphene induced high-Q hybridized plasmonic whispering gallery mode microcavities. Optics Express, 2014, 22, 23836.	1.7	18
115	Pure ultraviolet emission from ZnO nanowire-based p-n heterostructures. Optics Letters, 2014, 39, 422.	1.7	30
116	Bias-Polarity Dependent Ultraviolet/Visible Switchable Light-Emitting Devices. ACS Applied Materials & Interfaces, 2014, 6, 8257-8262.	4.0	10
117	Smooth Surface Morphology of ZnO Thin Films on Sapphire at Low Temperature. Chinese Journal of Luminescence, 2014, 35, 542-547.	0.2	1
118	Effect of Boron on Nitrogen Doped p-type ZnO Thin Films. Chinese Journal of Luminescence, 2014, 35, 795-799.	0.2	1
119	Controlled Growth of Pure Cubic Mg _{0.3} Zn _{0.7} O Thin Films on c-plane Sapphire by Introducing Graded Buffer Layer. Chinese Journal of Luminescence, 2014, 35, 1040-1045.	0.2	0
120	Epitaxial (110)-oriented Cubic MgZnO Films on m-plane Sapphire for Solar-blind UV Photodetectors. Chinese Journal of Luminescence, 2014, 35, 678-683.	0.2	0
121	Cubic MgZnO Deep-ultraviolet Photodetector with High Responsivity. Chinese Journal of Luminescence, 2014, 35, 1291-1296.	0.2	0
122	p-type Doping of ZnO ^δ N Thin Films by Alternating The Growth Atmosphere. Chinese Journal of Luminescence, 2014, 35, 399-403.	0.2	0
123	Mott-type Mg _x Zn _{1-x} O-based visible-blind ultraviolet photodetectors with active anti-reflection layer. Applied Physics Letters, 2013, 102, 231122.	1.5	26
124	Intense emission from ZnO nanocolumn Schottky diodes. Nanoscale, 2013, 5, 7746.	2.8	20
125	ZnO-based ultraviolet avalanche photodetectors. Journal Physics D: Applied Physics, 2013, 46, 305105.	1.3	48
126	Ultraviolet emissions realized in ZnO via an avalanche multiplication process. Chinese Physics B, 2013, 22, 077307.	0.7	0

#	ARTICLE	IF	CITATIONS
127	Self-powered spectrum-selective photodetectors fabricated from n-ZnO/p-NiO core-shell nanowire arrays. Journal of Materials Chemistry C, 2013, 1, 4445.	2.7	134
128	Electrical Properties of ZnO Thin Films Growth Under Different Conditions. Chinese Journal of Luminescence, 2013, 34, 1430-1434.	0.2	1
129	Decrease of Optimal Accelerating Voltage of ZnO-based Quantum Wells Pumped by Electron Beam. Chinese Journal of Luminescence, 2013, 34, 692-697.	0.2	0
130	Quantum-confined Stark Effects in Cathodoluminescence of ZnO/Zn _{0.85} Mg _{0.15} O Quantum Wells Pumped by Large Beam Current. Chinese Journal of Luminescence, 2013, 34, 1270-1274.	0.2	0
131	Improvement of Internal Quantum Efficiency of Asymmetric ZnO/ZnMgO Multi-quantum Wells. Chinese Journal of Luminescence, 2013, 34, 872-876.	0.2	0
132	Enhanced Responsivity of Photodetectors Realized via Impact Ionization. Sensors, 2012, 12, 1280-1287.	2.1	24
133	Ultraviolet emissions excited by accelerated electrons. Optics Letters, 2012, 37, 1568.	1.7	8
134	Enhanced Responsivity of Highly Spectrum-Selective Ultraviolet Photodetectors. Journal of Physical Chemistry C, 2012, 116, 1350-1353.	1.5	41
135	Electrically pumped random lasers fabricated from ZnO nanowire arrays. Nanoscale, 2012, 4, 2843.	2.8	66
136	Degenerated MgZnO films obtained by excessive zinc. Journal of Crystal Growth, 2012, 347, 95-98.	0.7	10
137	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Zn} \langle \text{mml:msub} \rangle \langle \text{mml:mtext mathvariant="normal" \rangle \hat{\alpha} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{V} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mtext mathvariant="normal" \rangle$ -Type Conductivity in N-Doped ZnO: The Role of the	2.9	143
138	Effect of compressive stress on stability of N-doped p-type ZnO. Applied Physics Letters, 2011, 99, 091908.	1.5	24
139	Ultraviolet photodetectors fabricated from ZnO p-n homojunction structures. Materials Chemistry and Physics, 2011, 129, 27-29.	2.0	40
140	Photoconductive gain in solar-blind ultraviolet photodetector based on Mg _{0.52} Zn _{0.48} O thin film. Applied Physics Letters, 2011, 99, 242105.	1.5	68
141	Control of N/N ₂ species ratio in NO plasma for p-type doping of ZnO. Journal of Applied Physics, 2011, 110, .	1.1	4
142	On the origin of intrinsic donors in ZnO. Applied Surface Science, 2010, 256, 3390-3393.	3.1	19
143	A route to single-crystalline ZnO films with low residual electron concentration. Journal of Crystal Growth, 2010, 312, 2861-2864.	0.7	10
144	Phosphor-converted light-emitting diode based on ZnO-based heterojunction. Journal of Luminescence, 2010, 130, 2215-2217.	1.5	12

#	ARTICLE	IF	CITATIONS
145	Influence of Zn/O ratio on structural, electrical and optical properties of ZnO thin films fabricated by plasma-assisted molecular beam epitaxy. <i>Journal of Alloys and Compounds</i> , 2010, 503, 155-158.	2.8	26
146	Degenerate layer at ZnO/sapphire interface. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 195403.	1.3	5
147	Electrical and optical properties of ZnO films grown by molecular beam epitaxy. <i>Applied Surface Science</i> , 2009, 255, 4913-4915.	3.1	26
148	A facile route to arsenic-doped p-type ZnO films. <i>Journal of Crystal Growth</i> , 2009, 311, 3577-3580.	0.7	17
149	The Electrical Characteristics of GaAs-MgO Interfaces of GaAs MIS Schottky Diodes. <i>Advanced Materials Research</i> , 0, 1118, 270-275.	0.3	1
150	Progress on Preparation of InAs Nanowires by Molecular Beam Epitaxy. <i>Materials Science Forum</i> , 0, 852, 349-355.	0.3	0