Wallace C H Choy

List of Publications by Year
in descending order

297	16,404	15495 65	19726 117
papers	citations	h-index	g-index

300	300	300	16632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability of electroluminescent perovskite quantum dots lightâ€emitting diode. Nano Select, 2022, 3, 505-530.	1.9	10
2	Selfâ€Polymerization of Monomer and Induced Interactions with Perovskite for Highly Performed and Stable Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, 2105290.	7.8	14
3	Highâ€Performance Semitransparent Organic Solar Cells Enabled by Improved Charge Transport and Optical Engineering of Ternary Blend Active Layer. Solar Rrl, 2022, 6, 2100785.	3.1	12
4	Recent Progress on Emerging Transparent Metallic Electrodes for Flexible Organic and Perovskite Photovoltaics. Solar Rrl, 2022, 6, .	3.1	14
5	1â€Chloronaphthaleneâ€Induced Donor/Acceptor Vertical Distribution and Carrier Dynamics Changes in Nonfullerene Organic Solar Cells and the Governed Mechanism. Small Methods, 2022, 6, e2101475.	4.6	19
6	Near-infrared non-fused ring acceptors with light absorption up to 1000Ânm for efficient and low-energy loss organic solar cells. Materials Today Energy, 2022, 24, 100938.	2.5	16
7	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer. Nano-Micro Letters, 2022, 14, 66.	14.4	34
8	Efficient CsPbBr₃ Nanoplatelet-Based Blue Light-Emitting Diodes Enabled by Engineered Surface Ligands. ACS Energy Letters, 2022, 7, 1137-1145.	8.8	52
9	Light extraction employing optical tunneling in blue InP quantum dot light-emitting diodes. Applied Physics Letters, 2022, 120, .	1.5	11
10	Multifunctional Ionâ€Lock Interface Layer Achieved by Solidâ€“Solid Contact Approach for Stabilizing Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	20
11	Full-Color Quantum Dot Light-Emitting Diodes Based on Microcavities. IEEE Photonics Journal, 2022, 14, 1-9.	1.0	7
12	Electron Delocalization in CsPbI₃ Quantum Dots Enables Efficient Lightâ€Emitting Diodes with Improved Efficiency Rollâ€Off. Advanced Optical Materials, 2022, 10, .	3.6	16
13	Buried Interface Modification in Perovskite Solar Cells: A Materials Perspective. Advanced Energy Materials, 2022, 12, .	10.2	87
14	Energy Regulation in White-Light-Emitting Diodes. ACS Energy Letters, 2022, 7, 2173-2188.	8.8	26
15	An efficacious multifunction codoping strategy on a room-temperature solution-processed hole transport layer for realizing high-performance perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 371-379.	5.2	30
16	Highâ€Performance Blue Perovskite Lightâ€Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasiâ€2D Perovskite Layers. Advanced Materials, 2021, 33, e2005570.	11.1	171
17	Observing and Understanding the Corrosion of Silver Nanowire Electrode by Precursor Reagents and MAPbI₃ Film in Different Environmental Conditions. Advanced Materials Interfaces, 2021, 8, 2001669.	1.9	5
18	Evaporationâ€Free Organic Solar Cells with High Efficiency Enabled by Dry and Nonimmersive Sintering Strategy. Advanced Functional Materials, 2021, 31, 2010764.	7.8	8

#	Article	IF	Citations
19	Efficient Semiâ€Transparent Organic Solar Cells with High Color Rendering Index Enabled by Selfâ€Assembled and Knitted AgNPs/MWCNTs Transparent Top Electrode via Solution Process. Advanced Optical Materials, 2021, 9, 2002108.	3.6	16
20	Efficient and Stable Red Perovskite Lightâ€Emitting Diodes with Operational Stability >300 h. Advanced Materials, 2021, 33, e2008820.	11.1	119
21	Recent Developments in Organic Tandem Solar Cells toward High Efficiency. Advanced Energy and Sustainability Research, 2021, 2, 2000050.	2.8	12
22	Hybrid 3D Nanostructure-Based Hole Transport Layer for Highly Efficient Inverted Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 16611-16619.	4.0	10
23	Doubleâ€Side Crystallization Tuning to Achieve over 1ÂÂµm Thick and Wellâ€Aligned Blockâ€Like Narrowâ€Bandgap Perovskites for Highâ€Efficiency Nearâ€Infrared Photodetectors. Advanced Functional Materials, 2021, 31, 2010532.	7.8	16
24	Tailoring the Interface in FAPbI₃ Planar Perovskite Solar Cells by Imidazoleâ€Grapheneâ€Quantumâ€Dots. Advanced Functional Materials, 2021, 31, 2101438.	7.8	51
25	Strategies Toward Efficient Blue Perovskite Lightâ€Emitting Diodes. Advanced Functional Materials, 2021, 31, 2100516.	7.8	92
26	Upside-Down Molding Approach for Geometrical Parameter-Tunable Photonic Perovskite Nanostructures. ACS Applied Materials & Interfaces, 2021, 13, 27313-27322.	4.0	2
27	Efficient Gradient Potential Top Electron Transport Structures Achieved by Combining an Oxide Family for Inverted Perovskite Solar Cells with High Efficiency and Stability. ACS Applied Materials & Interfaces, 2021, 13, 27179-27187.	4.0	13
28	Inorganic top electron transport layer for high performance inverted perovskite solar cells. EcoMat, 2021, 3, e12127.	6.8	26
29	Operational and Spectral Stability of Perovskite Light-Emitting Diodes. ACS Energy Letters, 2021, 6, 3114-3131.	8.8	46
30	Antioxidation and Energy-Level Alignment for Improving Efficiency and Stability of Hole Transport Layer-Free and Methylammonium-Free Tinâ€“Lead Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 45059-45067.	4.0	18
31	Lowâ€Bandgap Organic Bulkâ€Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. Advanced Materials, 2021, 33, e2105539.	11.1	89
32	Defect Behaviors in Perovskite Light-Emitting Diodes. , 2021, 3, 1702-1728.		27
33	Enhancing hole injection by electric dipoles for efficient blue InP QLEDs. Applied Physics Letters, 2021, 119, .	1.5	13
34	Solutionâ€Processed Ternary Oxides as Carrier Transport/Injection Layers in Optoelectronics. Advanced Energy Materials, 2020, 10, 1900903.	10.2	44
35	The mechanism of universal green antisolvents for intermediate phase controlled high-efficiency formamidinium-based perovskite solar cells. Materials Horizons, 2020, 7, 934-942.	6.4	51
36	Simultaneous Low-Order Phase Suppression and Defect Passivation for Efficient and Stable Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2569-2579.	8.8	89

#	Article	IF	Citations
37	Enhanced hole injection assisted by electric dipoles for efficient perovskite light-emitting diodes. Communications Materials, 2020, 1, .	2.9	33
38	Establishing Multifunctional Interface Layer of Perovskite Ligand Modified Lead Sulfide Quantum Dots for Improving the Performance and Stability of Perovskite Solar Cells. Small, 2020, 16, e2002628.	5.2	20
39	Enhancing stability of CsPbBr 3 nanocrystals lightâ€emitting diodes through polymethylmethacrylate physical adsorption. Nano Select, 2020, 1, 372-381.	1.9	5
40	Triple Interface Passivation Strategyâ€Enabled Efficient and Stable Inverted Perovskite Solar Cells. Small Methods, 2020, 4, 2000478.	4.6	44
41	Efficient and Stable Allâ€Inorganic Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000408.	3.1	43
42	Optical Tunneling to Improve Light Extraction in Quantum Dot and Perovskite Light-Emitting Diodes. IEEE Photonics Journal, 2020, 12, 1-14.	1.0	5
43	Critical Role of Functional Groups in Defect Passivation and Energy Band Modulation in Efficient and Stable Inverted Perovskite Solar Cells Exceeding 21% Efficiency. ACS Applied Materials & Interfaces, 2020, 12, 57165-57173.	4.0	24
44	High Phase Stability in CsPbI₃ Enabled by Pbâ€“I Octahedra Anchors for Efficient Inorganic Perovskite Photovoltaics. Advanced Materials, 2020, 32, e2000186.	11.1	90
45	Transient Photovoltage Measurements on Perovskite Solar Cells with Varied Defect Concentrations and Inhomogeneous Recombination Rates. Small Methods, 2020, 4, 2000290.	4.6	36
46	High-Quality MAPbBr₃ Cuboid Film with Promising Optoelectronic Properties Prepared by a Hot Methylamine Precursor Approach. ACS Applied Materials & Interfaces, 2020, 12, 24498-24504.	4.0	14
47	Realizing the ultimate goal of fully solution-processed organic solar cells: a compatible self-sintering method to achieve silver back electrode. Journal of Materials Chemistry A, 2020, 8, 6083-6091.	5.2	7
48	High Performance Flexible Transparent Electrode via Oneâ€Step Multifunctional Treatment for Ag Nanonetwork Composites Semiâ€Embedded in Lowâ€Temperatureâ€Processed Substrate for Highly Performed Organic Photovoltaics. Advanced Energy Materials, 2020, 10, 1903919.	10.2	58
49	Biodegradable Materials and Green Processing for Green Electronics. Advanced Materials, 2020, 32, e2001591.	11.1	168
50	In Situ Tin(II) Complex Antisolvent Process Featuring Simultaneous Quasiâ€Coreâ€“Shell Structure and Heterojunction for Improving Efficiency and Stability of Lowâ€Bandgap Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1903013.	10.2	31
51	Electron-pinned defect dipoles in (Li, Al) co-doped ZnO ceramics with colossal dielectric permittivity. Journal of Materials Chemistry A, 2020, 8, 4764-4774.	5.2	26
52	Efficient Interconnection in Perovskite Tandem Solar Cells. Small Methods, 2020, 4, 2000093.	4.6	43
53	Observing the stability evolution of Î²-DMAxCs1-xPbI2Br through precursor incubation. Organic Electronics, 2020, 84, 105800.	1.4	2
54	Single-phase alkylammonium cesium lead iodide quasi-2D perovskites for color-tunable and spectrum-stable red LEDs. Nanoscale, 2019, 11, 16907-16918.	2.8	24

#	Article	IF	Citations
55	Hole Transport Bilayer Structure for Quasiâ€2D Perovskite Based Blue Lightâ€Emitting Diodes with High Brightness and Good Spectral Stability. Advanced Functional Materials, 2019, 29, 1905339.	7.8	92
56	Device Physics of the Carrier Transporting Layer in Planar Perovskite Solar Cells. Advanced Optical Materials, 2019, 7, 1900407.	3.6	34
57	A General Method: Designing a Hypocrystalline Hydroxide Intermediate to Achieve Ultrasmall and Wellâ€Dispersed Ternary Metal Oxide for Efficient Photovoltaic Devices. Advanced Functional Materials, 2019, 29, 1904684.	7.8	39
58	Achieving High-Quality Snâ€“Pb Perovskite Films on Complementary Metal-Oxide-Semiconductor-Compatible Metal/Silicon Substrates for Efficient Imaging Array. ACS Nano, 2019, 13, 11800-11808.	7.3	40
59	Multifunctional Synthesis Approach of In:CuCrO₂ Nanoparticles for Hole Transport Layer in Highâ€Performance Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1902600.	7.8	70
60	How far does the defect tolerance of lead-halide perovskites range? The example of Bi impurities introducing efficient recombination centers. Journal of Materials Chemistry A, 2019, 7, 23838-23853.	5.2	57
61	Perovskite Photovoltaics: The Significant Role of Ligands in Film Formation, Passivation, and Stability. Advanced Materials, 2019, 31, e1805702.	11.1	192
62	Enhanced Silver Nanowire Composite Window Electrode Protected by Large Size Graphene Oxide Sheets for Perovskite Solar Cells. Nanomaterials, 2019, 9, 193.	1.9	23
63	Waterâ€Soluble Triazolium Ionicâ€Liquidâ€Induced Surface Selfâ€Assembly to Enhance the Stability and Efficiency of Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900417.	7.8	145
64	Highâ€Quality Cuboid CH₃NH₃PbI₃ Single Crystals for High Performance Xâ€Ray and Photon Detectors. Advanced Functional Materials, 2019, 29, 1806984.	7.8	115
65	Solutionâ€Processed Metal Oxide Nanocrystals as Carrier Transport Layers in Organic and Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1804660.	7.8	105
66	Strategic Synthesis of Ultrasmall NiCo₂O₄ NPs as Hole Transport Layer for Highly Efficient Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1702722.	10.2	112
67	Sequential Processing: Spontaneous Improvements in Film Quality and Interfacial Engineering for Efficient Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800027.	3.1	33
68	All-room-temperature solution-processed new nanocomposites based hole transport layer from synthesis to film formation for high-performance organic solar cells towards ultimate energy-efficient fabrication. Nano Energy, 2018, 47, 26-34.	8.2	23
69	Lowâ€Bandgap Methylammoniumâ€Rubidium Cation Snâ€Rich Perovskites for Efficient Ultravioletâ€“Visibleâ€“Near Infrared Photodetectors. Advanced Functional Materials, 2018, 28, 1706068.	7.8	70
70	Selfâ€Assembled Quasiâ€3D Nanocomposite: A Novel pâ€Type Hole Transport Layer for High Performance Inverted Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1706403.	7.8	39
71	Emerging Novel Metal Electrodes for Photovoltaic Applications. Small, 2018, 14, e1703140.	5.2	73
72	Quantifying Efficiency Loss of Perovskite Solar Cells by a Modified Detailed Balance Model. Advanced Energy Materials, 2018, 8, 1701586.	10.2	82

#	Article	IF	Citations
73	Highly efficient planar perovskite solar cells achieved by simultaneous defect engineering and formation kinetic control. Journal of Materials Chemistry A, 2018, 6, 23865-23874.	5.2	37
74	Thermionic Emissionâ€"Based Interconnecting Layer Featuring Solvent Resistance for Monolithic Tandem Solar Cells with Solutionâ€Processed Perovskites. Advanced Energy Materials, 2018, 8, 1801954.	10.2	40
75	Thick TiO₂-Based Top Electron Transport Layer on Perovskite for Highly Efficient and Stable Solar Cells. ACS Energy Letters, 2018, 3, 2891-2898.	8.8	71
76	Solar Cells: Thermionic Emission-Based Interconnecting Layer Featuring Solvent Resistance for Monolithic Tandem Solar Cells with Solution-Processed Perovskites (Adv. Energy Mater. 36/2018). Advanced Energy Materials, 2018, 8, 1870155.	10.2	2
77	All-Perovskite Emission Architecture for White Light-Emitting Diodes. ACS Nano, 2018, 12, 10486-10492.	7.3	92
78	Improving the stability and performance of perovskite solar cells via off-the-shelf post-device ligand treatment. Energy and Environmental Science, 2018, 11, 2253-2262.	15.6	181
79	A comprehensively theoretical and experimental study of carrier generation and transport for achieving high performance ternary blend organic solar cells. Nano Energy, 2018, 51, 206-215.	8.2	14
80	Crystallization, Properties, and Challenges of Lowâ€Bandgap Snâ€"Pb Binary Perovskites. Solar Rrl, 2018, 2, 1800146.	3.1	43
81	Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. Advanced Functional Materials, 2017, 27, 1606525.	7.8	101
82	Controllable Crystallization of CH₃NH₃Sn_{0.25}Pb_{0.75}I₃ Perovskites for Hysteresisâ€Free Solar Cells with Efficiency Reaching 15.2%. Advanced Functional Materials, 2017, 27, 1605469.	7.8	84
83	Toward All Roomâ€Temperature, Solutionâ€Processed, Highâ€Performance Planar Perovskite Solar Cells: A New Scheme of Pyridineâ€Promoted Perovskite Formation. Advanced Materials, 2017, 29, 1604695.	11.1	178
84	Pre- and post-treatments free nanocomposite based hole transport layer for high performance organic solar cells with considerably enhanced reproducibility. Nano Energy, 2017, 34, 76-85.	8.2	42
85	Alkyl Sideâ€Chain Engineering in Wideâ€Bandgap Copolymers Leading to Power Conversion Efficiencies over 10%. Advanced Materials, 2017, 29, 1604251.	11.1	213
86	Exploring the Way To Approach the Efficiency Limit of Perovskite Solar Cells by Drift-Diffusion Model. ACS Photonics, 2017, 4, 934-942.	3.2	98
87	Recent progress of interconnecting layer for tandem organic solar cells. Science China Chemistry, 2017, 60, 460-471.	4.2	21
88	Transition metal oxides as hole-transporting materials in organic semiconductor and hybrid perovskite based solar cells. Science China Chemistry, 2017, 60, 472-489.	4.2	52
89	Room temperature formation of organicâ€"inorganic lead halide perovskites: design of nanostructured and highly reactive intermediates. Journal of Materials Chemistry A, 2017, 5, 3599-3608.	5.2	48
90	Highly Efficient Ternaryâ€Blend Polymer Solar Cells Enabled by a Nonfullerene Acceptor and Two Polymer Donors with a Broad Composition Tolerance. Advanced Materials, 2017, 29, 1704271.	11.1	221

#	Article	IF	Citations
91	Effects of Selfâ€Assembled Monolayer Modification of Nickel Oxide Nanoparticles Layer on the Performance and Application of Inverted Perovskite Solar Cells. ChemSusChem, 2017, 10, 3794-3803.	3.6	185
92	A Switchable Interconnecting Layer for High Performance Tandem Organic Solar Cell. Advanced Energy Materials, 2017, 7, 1701164.	10.2	29
93	Simulating exciton delocalization in organic solar cells by a modified drift-diffusion model. , 2017, , .		0
94	Recent Advances in Organic Photovoltaics: Device Structure and Optical Engineering Optimization on the Nanoscale. Small, 2016, 12, 1547-1571.	5.2	77
95	Exciton delocalization incorporated drift-diffusion model for bulk-heterojunction organic solar cells. Journal of Applied Physics, 2016, 120, .	1.1	18
96	New low-temperature solution processes to control the formation of perovskite films for achieving high performance solar cells. , 2016, , .		0
97	A new concept to break the space charge limit of organic semiconductors for photovoltaic applications. , 2016, , .		0
98	Organic Solar Cells: High Efficiency Organic Solar Cells Achieved by the Simultaneous Plasmonâ€Optical and Plasmonâ€Electrical Effects from Plasmonic Asymmetric Modes of Gold Nanostars (Small 37/2016). Small, 2016, 12, 5102-5102.	5.2	4
99	High Efficiency Organic Solar Cells Achieved by the Simultaneous Plasmonâ€Optical and Plasmonâ€Electrical Effects from Plasmonic Asymmetric Modes of Gold Nanostars. Small, 2016, 12, 5200-5207.	5.2	73
100	Evolution of Diffusion Length and Trap State Induced by Chloride in Perovskite Solar Cell. Journal of Physical Chemistry C, 2016, 120, 21248-21253.	1.5	64
101	Polarization Control by Using Anisotropic 3-D Chiral Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 4687-4694.	3.1	27
102	Strongly enhanced and directionally tunable second-harmonic radiation from a plasmonic particle-in-cavity nanoantenna. Physical Review A, 2016, 94, .	1.0	17
103	Au Multimer@MoS2 hybrid structures for efficient photocatalytical hydrogen production via strongly plasmonic coupling effect. Nano Energy, 2016, 30, 549-558.	8.2	98
104	Polyhedral Oligomeric Silsesquioxane Enhances the Brightness of Perovskite Nanocrystal-Based Green Light-Emitting Devices. Journal of Physical Chemistry Letters, 2016, 7, 4398-4404.	2.1	105
105	Efficient near-infrared light-emitting diodes based on organometallic halide perovskiteâ€“poly(2-ethyl-2-oxazoline) nanocomposite thin films. Nanoscale, 2016, 8, 19846-19852.	2.8	43
106	Solution-Processed Metal Oxides as Efficient Carrier Transport Layers for Organic Photovoltaics. Small, 2016, 12, 416-431.	5.2	67
107	Room-Temperature Solution-Processed NiO_x:PbI₂ Nanocomposite Structures for Realizing High-Performance Perovskite Photodetectors. ACS Nano, 2016, 10, 6808-6815.	7.3	122
108	Characterization, modeling, and analysis of organic light-emitting diodes with different structures. IEEE Transactions on Power Electronics, 2016, 31, 581-592.	5.4	21

#	Article	IF	Citations
109	The incorporation of thermionic emission and work function tuning layer into intermediate connecting layer for high performance tandem organic solar cells. Nano Energy, 2016, 21, 123-132.	8.2	23
110	Room-temperature solution-processed and metal oxide-free nano-composite for the flexible transparent bottom electrode of perovskite solar cells. Nanoscale, 2016, 8, 5946-5953.	2.8	83
111	Enhancing the Brightness of Cesium Lead Halide Perovskite Nanocrystal Based Green Light-Emitting Devices through the Interface Engineering with Perfluorinated Ionomer. Nano Letters, 2016, 16, 1415-1420.	4.5	685
112	Perovskite-organic hybrid tandem solar cells using a nanostructured perovskite layer as the light window and a PFN/doped-MoO₃/MoO₃ multilayer as the interconnecting layer. Nanoscale, 2016, 8, 3638-3646.	2.8	59
113	Pinhole-Free and Surface-Nanostructured NiO_x Film by Room-Temperature Solution Process for High-Performance Flexible Perovskite Solar Cells with Good Stability and Reproducibility. ACS Nano, 2016, 10, 1503-1511.	7.3	477
114	Plasmon-Electrical Effects on Organic Solar Cells by Incorporation of Metal Nanostructures. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-9.	1.9	49
115	Controlling the Formation of Perovskite Films by Low-temperature Solution Schemes for High Performance Solar Cells. , 2016, , .		0
116	A General Design Rule to Manipulate Photocarrier Transport Path in Solar Cells and Its Realization by the Plasmonic-Electrical Effect. Scientific Reports, 2015, 5, 8525.	1.6	44
117	Locally Welded Silver Nanoâ€Network Transparent Electrodes with High Operational Stability by a Simple Alcoholâ€Based Chemical Approach. Advanced Functional Materials, 2015, 25, 4211-4218.	7.8	131
118	A Smooth CH₃NH₃PbI₃ Film via a New Approach for Forming the PbI₂ Nanostructure Together with Strategically High CH₃NH₃I Concentration for High Efficient Planarâ€Heterojunction Solar Cells. Advanced Energy Materials, 2015, 5, 1501354.	10.2	228
119	A New Interconnecting Layer of Metal Oxide/Dipole Layer/Metal Oxide for Efficient Tandem Organic Solar Cells. Advanced Energy Materials, 2015, 5, 1500631.	10.2	37
120	Organicâ€“Inorganic Perovskite Lightâ€Emitting Electrochemical Cells with a Large Capacitance. Advanced Functional Materials, 2015, 25, 7226-7232.	7.8	87
121	Synergic Effects of Randomly Aligned SWCNT Mesh and Selfâ€Assembled Molecule Layer for Highâ€Performance, Lowâ€Bandgap, Polymer Solar Cells with Fast Charge Extraction. Advanced Materials Interfaces, 2015, 2, 1500324.	1.9	22
122	The efficiency limit of CH3NH3PbI3 perovskite solar cells. Applied Physics Letters, 2015, 106, .	1.5	480
123	Using novel metal oxides and multiple plasmonic nanostructures for emerging organic optoelectronic devices. , 2015, , .		1
124	Vacuum-Assisted Thermal Annealing of CH₃NH₃PbI₃ for Highly Stable and Efficient Perovskite Solar Cells. ACS Nano, 2015, 9, 639-646.	7.3	318
125	Photochemically synthesized silver nanostructures on tapered fiber as plasmonic tweezers for surface enhanced Raman scattering applications. Vacuum, 2015, 118, 171-176.	1.6	12
126	Experimental and Theoretical Investigation of Macro-Periodic and Micro-Random Nanostructures with Simultaneously Spatial Translational Symmetry and Long-Range Order Breaking. Scientific Reports, 2015, 5, 7876.	1.6	10

#	Article	IF	Citations
127	A low temperature gradual annealing scheme for achieving high performance perovskite solar cells with no hysteresis. Journal of Materials Chemistry A, 2015, 3, 14424-14430.	5.2	34
128	MoOx and V2Ox as hole and electron transport layers through functionalized intercalation in normal and inverted organic optoelectronic devices. Light: Science and Applications, 2015, 4, e273-e273.	7.7	169
129	Highâ€Performance Organic Solar Cells with Broadband Absorption Enhancement and Reliable Reproducibility Enabled by Collective Plasmonic Effects. Advanced Optical Materials, 2015, 3, 1220-1231.	3.6	66
130	Metallated conjugation in small-sized-molecular donors for solution-processed organic solar cells. Science China Chemistry, 2015, 58, 347-356.	4.2	12
131	An all-copper plasmonic sandwich system obtained through directly depositing copper NPs on a CVD grown graphene/copper film and its application in SERS. Nanoscale, 2015, 7, 11291-11299.	2.8	62
132	Postâ€treatmentâ€Free Solutionâ€Processed Nonâ€stoichiometric NiO_x Nanoparticles for Efficient Holeâ€Transport Layers of Organic Optoelectronic Devices. Advanced Materials, 2015, 27, 2930-2937.	11.1	300
133	Efficient hole transport layers with widely tunable work function for deep HOMO level organic solar cells. Journal of Materials Chemistry A, 2015, 3, 23955-23963.	5.2	40
134	Optically enhanced semi-transparent organic solar cells through hybrid metal/nanoparticle/dielectric nanostructure. Nano Energy, 2015, 17, 187-195.	8.2	54
135	Plasmonic and metal oxide systems for high performance OLEDs and OPVs. , 2015, , .		0
136	Smooth CH₃NH₃PbI₃from controlled solidâ€“gas reaction for photovoltaic applications. RSC Advances, 2015, 5, 73760-73766.	1.7	17
137	New concept to break the intrinsic properties of organic semiconductors for optical sensing applications. Proceedings of SPIE, 2015, , .	0.8	0
138	Broadband near-field enhancement in the macro-periodic and micro-random structure with a hybridized excitation of propagating Bloch-plasmonic and localized surface-plasmonic modes. Nanoscale, 2015, 7, 16798-16804.	2.8	11
139	Hysteresis-free, stable and efficient perovskite solar cells achieved by vacuum-treated thermal annealing of CH3NH3PbI3. , 2015, , .		0
140	CHAPTER 7. Solution Processed Metal Oxides and Hybrid Metal Oxides as Efficient Carrier Transport Layers of Organic Optoelectronic Devices. RSC Polymer Chemistry Series, 2015, , 220-254.	0.1	0
141	MULTI-PHYSICAL PROPERTIES OF PLASMONIC ORGANIC SOLAR CELLS (Invited Paper). Progress in Electromagnetics Research, 2014, 146, 25-46.	1.6	11
142	Observing abnormally large group velocity at the plasmonic band edge via a universal eigenvalue analysis. Optics Letters, 2014, 39, 158.	1.7	10
143	Over 1.1 eV Workfunction Tuning of Cesium Intercalated Metal Oxides for Functioning as Both Electron and Hole Transport Layers in Organic Optoelectronic Devices. Advanced Functional Materials, 2014, 24, 7348-7356.	7.8	44
144	Functions of Self-Assembled Ultrafine TiO₂ Nanocrystals for High Efficient Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 5367-5373.	4.0	18

#	Article	IF	Citations
145	Lending Triarylphosphine Oxide to Phenanthroline: a Facile Approach to Highâ€Performance Organic Smallâ€Molecule Cathode Interfacial Material for Organic Photovoltaics utilizing Airâ€Stable Cathodes. Advanced Functional Materials, 2014, 24, 6540-6547.	7.8	96
146	Substantial Performance Improvement in Inverted Polymer Light-Emitting Diodes via Surface Plasmon Resonance Induced Electrode Quenching Control. ACS Applied Materials & Interfaces, 2014, 6, 11001-11006.	4.0	51
147	Recent Advances in Transition Metal Complexes and Lightâ€Management Engineering in Organic Optoelectronic Devices. Advanced Materials, 2014, 26, 5368-5399.	11.1	266
148	Photovoltaic Mode Ultraviolet Organic Photodetectors with High On/Off Ratio and Fast Response. Advanced Optical Materials, 2014, 2, 1082-1089.	3.6	37
149	Selective Growth and Integration of Silver Nanoparticles on Silver Nanowires at Room Conditions for Transparent Nano-Network Electrode. ACS Nano, 2014, 8, 10980-10987.	7.3	119
150	The emerging multiple metal nanostructures for enhancing the light trapping of thin film organic photovoltaic cells. Chemical Communications, 2014, 50, 11984-11993.	2.2	45
151	A solution-processable diketopyrrolopyrrole dye molecule with (fluoronaphthyl)thienyl endgroups for organic solar cells. Dyes and Pigments, 2014, 101, 51-57.	2.0	40
152	Highly Intensified Surface Enhanced Raman Scattering by Using Monolayer Graphene as the Nanospacer of Metal Filmâ€“Metal Nanoparticle Coupling System. Advanced Functional Materials, 2014, 24, 3114-3122.	7.8	171
153	Polarity continuation and frustration in ZnSe nanospirals. Scientific Reports, 2014, 4, 7447.	1.6	7
154	Breaking the Space Charge Limit in Organic Solar Cells by a Novel Plasmonic-Electrical Concept. Scientific Reports, 2014, 4, 6236.	1.6	62
155	Introduction to the OQE special issue on numerical simulation of optoelectronic devices NUSODâ€™12. Optical and Quantum Electronics, 2013, 45, 571-571.	1.5	0
156	Efficiency Enhancement of Organic Solar Cells by Using Shapeâ€Dependent Broadband Plasmonic Absorption in Metallic Nanoparticles. Advanced Functional Materials, 2013, 23, 2728-2735.	7.8	279
157	Lowâ€Temperature Solutionâ€Processed Hydrogen Molybdenum and Vanadium Bronzes for an Efficient Holeâ€Transport Layer in Organic Electronics. Advanced Materials, 2013, 25, 2051-2055.	11.1	269
158	A reduced electron-extraction barrier at an interface between a polymer poly(3-hexylthiophene) layer and an indium tin oxide layer. Organic Electronics, 2013, 14, 457-463.	1.4	4
159	Enhanced charge extraction in organic solar cells through electron accumulation effects induced by metal nanoparticles. Energy and Environmental Science, 2013, 6, 3372.	15.6	95
160	Improved light outcoupling and mode analysis of top-emitting OLEDs on periodically corrugated substrates. Proceedings of SPIE, 2013, , .	0.8	4
161	Plasmonic Electrically Functionalized TiO₂ for Highâ€Performance Organic Solar Cells. Advanced Functional Materials, 2013, 23, 4255-4261.	7.8	138
162	Polarization-independent efficiency enhancement of organic solar cells by using 3-dimensional plasmonic electrode. Applied Physics Letters, 2013, 102, 153304.	1.5	48

#	Article	IF	Citations
163	Multiphysics modeling of plasmonic organic solar cells with a unified finite-difference method. , 2013, , .		1
164	Plasmonic solar cells: A bridge between electromagnetics and semiconductor physics. , 2013, , .		0
165	Al-TiO₂ Composite-Modified Single-Layer Graphene as an Efficient Transparent Cathode for Organic Solar Cells. ACS Nano, 2013, 7, 1740-1747.	7.3	90
166	Theoretical Studies of Plasmonic Effects in Organic Solar Cells. Green Energy and Technology, 2013, , 177-210.	0.4	1
167	Experimental Studies of Plasmonic Nanoparticle Effects on Organic Solar Cells. Green Energy and Technology, 2013, , 211-242.	0.4	1
168	Tuning optical responses of metallic dipole nanoantenna using graphene. Optics Express, 2013, 21, 31824.	1.7	40
169	Tunable nanoantenna based on graphene. , 2013, , .		0
170	Room-temperature solution-processed molybdenum oxide as a hole transport layer with Ag nanoparticles for highly efficient inverted organic solar cells. Journal of Materials Chemistry A, 2013, 1, 6614.	5.2	89
171	Broadband absorption enhancement of organic solar cells with interstitial lattice patterned metal nanoparticles. Applied Physics Letters, 2013, 102, .	1.5	13
172	Semitransparent organic solar cells with hybrid monolayer graphene/metal grid as top electrodes. Applied Physics Letters, 2013, 102, 113303.	1.5	49
173	Unidirectional and wavelength-selective photonic sphere-array nanoantennas. Optics Letters, 2012, 37, 2112.	1.7	36
174	The roles of metallic rectangular-grating and planar anodes in the photocarrier generation and transport of organic solar cells. Applied Physics Letters, 2012, 101, .	1.5	15
175	PEDOT:PSS-free Au nanocluster treated graphene as transparent anode for organic solar cells. Proceedings of SPIE, 2012, , .	0.8	0
176	Mixing plasmonic Au nanoparticles into all polymer layers for improving the efficiency of organic solar cells. , 2012, , .		1
177	Optical and electrical study of organic solar cells with a 2D grating anode. Optics Express, 2012, 20, 2572.	1.7	52
178	Light harvesting improvement of organic solar cells with self-enhanced active layer designs. Optics Express, 2012, 20, 8175.	1.7	30
179	Broadband enhancement of spontaneous emission in a photonic-plasmonic structure. Optics Letters, 2012, 37, 2037.	1.7	17
180	Integral equation method for analyzing purcell effect in plasmonic system. , 2012, , .		0

#	Article	IF	Citations
181	Finite-Element-Based Generalized Impedance Boundary Condition for Modeling Plasmonic Nanostructures. IEEE Nanotechnology Magazine, 2012, 11, 336-345.	1.1	37
182	Study on spontaneous emission in complex multilayered plasmonic system via surface integral equation approach with layered medium Greenâ€™s function. Optics Express, 2012, 20, 20210.	1.7	43
183	Optical properties enhancement in low-bandgap organic solar cells with embedded PEDOT:PSS gratings. Proceedings of SPIE, 2012, , .	0.8	0
184	Theoretical studies of effects of 2D plasmonic grating on electrical properties of organic solar cells. Proceedings of SPIE, 2012, , .	0.8	0
185	Optical and electrical effects of gold nanoparticles in the active layer of polymer solar cells. Journal of Materials Chemistry, 2012, 22, 1206-1211.	6.7	222
186	Large-area, high-quality self-assembly electron transport layer for organic optoelectronic devices. Organic Electronics, 2012, 13, 2042-2046.	1.4	14
187	Charge dynamics in solar cells with a blend of Ï€-conjugated polymer-fullerene studied by transient photo-generated voltage. Physical Chemistry Chemical Physics, 2012, 14, 8397.	1.3	3
188	Dual Plasmonic Nanostructures for High Performance Inverted Organic Solar Cells. Advanced Materials, 2012, 24, 3046-3052.	11.1	654
189	Surface Plasmon and Scatteringâ€Enhanced Lowâ€Bandgap Polymer Solar Cell by a Metal Grating Back Electrode. Advanced Energy Materials, 2012, 2, 1203-1207.	10.2	160
190	Efficient Inverted Polymer Solar Cells with Directly Patterned Active Layer and Silver Back Grating. Journal of Physical Chemistry C, 2012, 116, 7200-7206.	1.5	93
191	A study of optical properties enhancement in low-bandgap polymer solar cells with embedded PEDOT:PSS gratings. Solar Energy Materials and Solar Cells, 2012, 99, 327-332.	3.0	22
192	Polarizationâ€Induced Charge Distribution at Homogeneous Zincblende/Wurtzite Heterostructural Junctions in ZnSe Nanobelts. Advanced Materials, 2012, 24, 1328-1332.	11.1	30
193	Using Magneto-Electroluminescence As a Fingerprint to Identify the Carrier-to-Photon Conversion Process in Dye-Doped OLEDs. Journal of Physical Chemistry C, 2011, 115, 20295-20300.	1.5	13
194	Improving the efficiency of polymer solar cells by incorporating gold nanoparticles into all polymer layers. Applied Physics Letters, 2011, 99, .	1.5	157
195	Optical and electrical properties of efficiency enhanced polymer solar cells with Au nanoparticles in a PEDOTâ€“PSS layer. Journal of Materials Chemistry, 2011, 21, 16349.	6.7	259
196	Near-field multiple scattering effects of plasmonic nanospheres embedded into thin-film organic solar cells. Applied Physics Letters, 2011, 99, .	1.5	72
197	Largely extended light-emission shift of ZnSe nanostructures with temperature. Applied Optics, 2011, 50, G37.	2.1	5
198	Optical design of organic solar cell with hybrid plasmonic system. Optics Express, 2011, 19, 15908.	1.7	22

#	Article	IF	Citations
199	Angular response of thin-film organic solar cells with periodic metal back nanostrips. Optics Letters, 2011, 36, 478.	1.7	62
200	Simultaneous Optimization of Chargeâ€Carrier Balance and Luminous Efficacy in Highly Efficient White Polymer Lightâ€Emitting Devices. Advanced Materials, 2011, 23, 2976-2980.	11.1	204
201	Efficient hole collection by introducing ultra-thin UVâ€“ozone treated Au in polymer solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 904-908.	3.0	35
202	A possible mechanism to tune magneto-electroluminescence in organic light-emitting diodes through adjusting the triplet exciton density. Applied Physics Letters, 2011, 99, .	1.5	13
203	Systematic study of spontaneous emission in a two-dimensional arbitrary inhomogeneous environment. Physical Review A, 2011, 83, .	1.0	27
204	Polymer solar cells with gold nanoclusters decorated multi-layer graphene as transparent electrode. Applied Physics Letters, 2011, 99, 223302.	1.5	43
205	Optical design of organic/polymer solar cells and light emitting devices. , 2011, , .		0
206	Improving polymer solar cell performances by manipulating the self-organization of polymer. Applied Physics Letters, 2011, 98, .	1.5	12
207	Blue Organic LEDs With Improved Power Efficiency. IEEE Transactions on Electron Devices, 2010, 57, 125-128.	1.6	9
208	High Efficiency Blue Organic LEDs Achieved By an Integrated Fluorescenceâ€“Interlayerâ€“Phosphorescence Emission Architecture. Advanced Functional Materials, 2010, 20, 648-655.	7.8	38
209	Red organic light emitting devices with reduced efficiency roll-off behavior by using hybrid fluorescent/phosphorescent emission structure. Thin Solid Films, 2010, 519, 872-875.	0.8	11
210	Magnetic field effects on the electroluminescence of organic light emitting devices: A tool to indicate the carrier mobility. Applied Physics Letters, 2010, 97, 163302.	1.5	24
211	Magnetic field modulated exciton generation in organic semiconductors: An intermolecular quantum correlated effect. Physical Review B, 2010, 82, .	1.1	20
212	ZnSe Heterocrystalline Junctions Based on Zinc Blendeâ^'Wurtzite Polytypism. Journal of Physical Chemistry C, 2010, 114, 1411-1415.	1.5	12
213	A comprehensive study for the plasmonic thin-film solar cell with periodic structure. Optics Express, 2010, 18, 5993.	1.7	67
214	Twinning mediated growth of ZnSe tri- and bi-crystal nanobelts with single crystalline wurtzite nanobelts as building blocks. CrystEngComm, 2010, 12, 150-158.	1.3	9
215	Improving efficiency roll-off in organic light emitting devices with a fluorescence-interlayer-phosphorescence emission architecture. Applied Physics Letters, 2009, 95, 133304.	1.5	22
216	Nanoparticle-induced resonant tunneling behaviors in small molecule organic light-emitting devices. Applied Physics Letters, 2009, 94, .	1.5	24

#	Article	IF	Citations
217	A facile synthesis of zinc blende ZnSe nanocrystals. Journal Physics D: Applied Physics, 2009, 42, 125410.	1.3	18
218	Hybrid Nanoparticle/Organic Devices with Strong Resonant Tunneling Behaviors. Advanced Functional Materials, 2009, 19, 2648-2653.	7.8	22
219	The structural composite effect of Auâ€"WO3â€"Al interconnecting electrode on performance of each unit in stacked OLEDs. Organic Electronics, 2009, 10, 402-407.	1.4	7
220	Tunable full-color emission of two-unit stacked organic light emitting diodes with dual-metal intermediate electrode. Journal of Organometallic Chemistry, 2009, 694, 2712-2716.	0.8	27
221	Enhanced efficiency of a fluorescing nanoparticle with a silver shell. Journal of Physics: Conference Series, 2009, 188, 012055.	0.3	0
222	The growth mechanism of ZnO single-crystal nanorods synthesized by polymer complexing with zinc salts. Applied Physics A: Materials Science and Processing, 2008, 91, 157-160.	1.1	5
223	An effective intermediate Al/Au electrode for stacked color-tunable organic light emitting devices. Applied Physics A: Materials Science and Processing, 2008, 91, 501-506.	1.1	5
224	Fabrication and characterization of amorphous silica nanostructures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4622-4626.	0.9	12
225	Linearly resistive humidity sensor based on quasi one-dimensional ZnSe nanostructures. Chemical Physics Letters, 2008, 457, 198-201.	1.2	36
226	Transparent Al/WO3/Au film as anode for high efficiency organic light-emitting diodes. Organic Electronics, 2008, 9, 964-967.	1.4	17
227	Indium Tin Oxide Modified by Au and Vanadium Pentoxide as an Efficient Anode for Organic Light-Emitting Devices. IEEE Transactions on Electron Devices, 2008, 55, 2517-2520.	1.6	22
228	Real-Time Color-Tunable Electroluminescence From Stacked Organic LEDs Using Independently Addressable Middle Electrode. IEEE Photonics Technology Letters, 2008, 20, 1154-1156.	1.3	3
229	Synthesis and luminescent properties of GdSrAl3O7:Tb3+ phosphor under VUV/UV excitation. Journal of Alloys and Compounds, 2008, 463, 302-305.	2.8	24
230	{113} Twinned ZnSe Bicrystal Nanobelts Filled with <111> Twinnings. Journal of Physical Chemistry C, 2008, 112, 4903-4907.	1.5	18
231	Growth of ZnSe Nanospirals with Bending Mediated by Lomerâ"Cottrell Sessile Dislocations through Varying Pressure. Crystal Growth and Design, 2008, 8, 3829-3833.	1.4	13
232	Independently controllable stacked OLEDs with high efficiency by using semitransparent Al/WO3/Ag intermediate connecting layer. Journal Physics D: Applied Physics, 2008, 41, 105108.	1.3	5
233	High-efficiency blue fluorescent organic light emitting devices based on double emission layers. Journal Physics D: Applied Physics, 2008, 41, 055103.	1.3	17
234	Voltage-controlled colour-tunable microcavity OLEDs with enhanced colour purity. Journal Physics D: Applied Physics, 2008, 41, 025106.	1.3	8

#	Article	IF	Citations
235	Comprehensive investigation of absolute optical properties of organic materials. Journal Physics D: Applied Physics, 2008, 41, 155109.	1.3	23
236	Highly efficient and tunable fluorescence of a nanofluorophore in silica/metal dual shells with plasmonic resonance. Journal of Applied Physics, 2008, 103, .	1.1	5
237	An effective intermediate Al/Au electrode for stacked color-tunable organic light emitting devices. , 2008, , .		2
238	Highly efficient organic light-emitting devices with surface-modified metal anode by vanadium pentoxide. Journal Physics D: Applied Physics, 2008, 41, 062003.	1.3	13
239	Comprehensive investigation of light emission of OLEDs: from absolute optical properties to the purcell effect. , 2007, , .		0
240	Simulation of light emission from a semiconductor nanowire/nanotube. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
241	Comprehensive analysis and optimal design of top-emitting organic light-emitting devices. Journal of Applied Physics, 2007, 101, 113107.	1.1	26
242	Synthesis and analysis of abnormal wurtzite ZnSe nanowheels. Journal of Applied Physics, 2007, 102, 044302.	1.1	31
243	Highly efficient fluorescence of a fluorescing nanoparticle with a silver shell. Optics Express, 2007, 15, 7083.	1.7	14
244	Efficient optical modeling of spontaneous emission in a cylindrically layered nanostructure. Optics Express, 2007, 15, 10356.	1.7	1
245	Improving the viewing angle properties of microcavity OLEDs by using dispersive gratings. Optics Express, 2007, 15, 13288.	1.7	37
246	Efficient and Rigorous Modeling of Light Emission in Planar Multilayer Organic Light-Emitting Diodes. Journal of Display Technology, 2007, 3, 110-117.	1.3	36
247	Modifications of the exciton lifetime and internal quantum efficiency for organic light-emitting devices with a weak/strong microcavity. Applied Physics Letters, 2007, 91, 221112.	1.5	24
248	Real-time voltage controlled color tunable OLEDs. , 2007, , .		0
249	The Purcell effect of silver nanoshell on the fluorescence of nanoparticles. , 2007, , .		0
250	Triple-Crystal Zinc Selenide Nanobelts. Journal of Physical Chemistry C, 2007, 111, 9055-9059.	1.5	28
251	The Electroluminescent Decay Mechanism of Rare-Earth Ions in OLEDs Based on a Terbium Complex. IEEE Photonics Technology Letters, 2007, 19, 1178-1180.	1.3	4
252	A Simple method to prepare multi-walled carbon nanotube/ZnO nanoparticle composites. Applied Physics A: Materials Science and Processing, 2007, 89, 525-528.	1.1	29

#	Article	IF	Citations
253	Effects of carrier barrier on voltage controllable color tunable OLEDs. Applied Physics A: Materials Science and Processing, 2007, 89, 667-671.	1.1	8
254	Synthesis of wurtzite ZnSe nanorings by thermal evaporation. Applied Physics Letters, 2006, 88, 183110.	1.5	48
255	ZnO Nanorods on In-Situ Synthesized ZnSe Grains. Journal of Nanoscience and Nanotechnology, 2006, 6, 802-806.	0.9	4
256	ZnO nanorod synthesis from Zn-based II-VI semiconductors. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1376-1382.	0.8	0
257	Self-catalytic ZnSe nanorods on grains synthesized using thermal evaporation method. Applied Physics A: Materials Science and Processing, 2006, 83, 301-304.	1.1	9
258	ZnO nanorods grown on ZnSe particles by the chemical vapor deposition method. Applied Physics A: Materials Science and Processing, 2006, 83, 421-425.	1.1	6
259	Improving the efficiency of organic light emitting devices by using co-host electron transport layer. Thin Solid Films, 2006, 509, 193-196.	0.8	15
260	A novel green emitting phosphor Ca1.5Y1.5Al3.5Si1.5O12:Tb3+. Materials Chemistry and Physics, 2006, 100, 372-374.	2.0	35
261	Organic light-emitting diodes based on a cohost electron transporting composite. Applied Physics Letters, 2006, 88, 113510.	1.5	44
262	Color tunable organic light-emitting diodes by using europium organometallic complex. Applied Physics Letters, 2006, 89, 251108.	1.5	38
263	Wavelength Tunable Light Emitting Nanostructures and Devices. , 2006, , .		0
264	Improving the efficiency of OLEDs by utilizing metallophthalocyanines. , 2005, , .		4
265	Oxadiazole-Triphenylamine derivatives for OLEDs. , 2005, , .		0
266	Synthesis, vacuum ultraviolet and near ultraviolet-excited luminescent properties of GdCaAl3O7: RE3+ (RE=Eu, Tb). Journal of Solid State Chemistry, 2005, 178, 3004-3009.	1.4	48
267	Synthesis and properties of ZnO multipod structures. Journal of Crystal Growth, 2005, 274, 430-437.	0.7	13
268	Efficiency and stability of different tris(8-hydroxyquinoline) aluminium (Alq3) derivatives in OLED applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 116, 75-81.	1.7	46
269	Enhanced photocatalytic activity of Ce3+â€“TiO2 for 2-mercaptobenzothiazole degradation in aqueous suspension for odour control. Applied Catalysis A: General, 2005, 285, 181-189.	2.2	400
270	Optical properties of a novel yellow fluorescent dopant for use in organic LEDs. Applied Physics A: Materials Science and Processing, 2005, 81, 517-521.	1.1	8

#	Article	IF	Citations
271	Controllable Synthesis and Optical Properties of Novel ZnO Cone Arrays via Vapor Transport at Low Temperature. Journal of Physical Chemistry B, 2005, 109, 2733-2738.	1.2	65
272	Photoluminescence and Electron Paramagnetic Resonance of ZnO Tetrapod Structures. Advanced Functional Materials, 2004, 14, 856-864.	7.8	581
273	Visible photoluminescence in ZnO tetrapod and multipod structures. Applied Physics Letters, 2004, 84, 2635-2637.	1.5	152
274	Poly(3-hexylthiophene):TiO2nanocomposites for solar cell applications. Nanotechnology, 2004, 15, 1156-1161.	1.3	187
275	Theoretical analysis of diffused quantum-well lasers and optical amplifiers. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 698-707.	1.9	6
276	InGaAs/InGaAsP diffused quantum wells optical amplifiers and modulators. , 2001, , .		1
277	Tailoring light and heavy holes of GaAsP-AlGaAs quantum wells by using interdiffusion for polarization-independent amplifier applications. IEEE Journal of Quantum Electronics, 2000, 36, 164-174.	1.0	10
278	Optical properties of InGaAs/InAlAs diffused double quantum wells. Journal of Applied Physics, 2000, 87, 2956-2966.	1.1	6
279	Interdiffusion induced polarization-independent optical gain of an InGaAs-InP quantum-well with carrier effects. IEEE Journal of Quantum Electronics, 1999, 35, 913-921.	1.0	4
280	Interdiffusion induced modification of surface-acoustic-wave AlGaAs-GaAs quantum-well modulators. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 758-764.	1.9	2
281	AlGaAs-GaAs quantum-well electrooptic phase modulator with disorder delineated optical confinement. IEEE Journal of Quantum Electronics, 1998, 34, 84-92.	1.0	4
282	Interdiffused AlGaAs-GaAs quantum well for improved electroabsorptive modulation. IEEE Journal of Quantum Electronics, 1998, 34, 1162-1170.	1.0	4
283	Asymmetric double-quantum-well phase modulator using surface acoustic waves. IEEE Journal of Quantum Electronics, 1998, 34, 1846-1853.	1.0	9
284	Polarization-insensitive electroabsorption by use of quantum well interdiffusion. Applied Optics, 1998, 37, 1674.	2.1	11
285	Electro-optic and electro-absorptive modulations of AlGaAs/GaAs quantum well using surface acoustic wave. Journal of Applied Physics, 1998, 83, 858-866.	1.1	8
286	The effect of growth interruption on the properties of InGaAs/InAlAs quantum well structures. Applied Physics Letters, 1998, 72, 338-340.	1.5	6
287	Electro-absorptive and electro-optic quantum well modulators using surface acoustic wave. , 1998, , .		0
288	Electro-absorptive properties of interdiffused InGaAsP/InP quantum wells. Journal of Applied Physics, 1997, 82, 3861-3869.	1.1	13

#	Article	IF	Citations
289	Disorder-Delineated AlGaAs/GaAs Quantum-Well Phase Modulator. Materials Research Society Symposia Proceedings, 1997, 484, 453.	0.1	0
290	The applications of an interdiffused quantum well in a normally on electroabsorptive Fabry-Perot reflection modulator. IEEE Journal of Quantum Electronics, 1997, 33, 382-392.	1.0	21
291	Polarization-insensitive electroabsorptive modulation using interdiffused InGaAs(P)-InP quantum wells. IEEE Journal of Quantum Electronics, 1997, 33, 1316-1322.	1.0	13
292	High Performance Fabry-Perot Modulator Using Interdiffused AlGaAs/GaAs Quantum Wells. Japanese Journal of Applied Physics, 1996, 35, L496-L498.	0.8	3
293	The Effect Of Composition Modification on the Optical Polarization Independence In Semiconductor Strain Quantum Wells. Materials Research Society Symposia Proceedings, 1995, 417, 277.	0.1	3
294	Laser-induced etching of silicon. Applied Physics A: Materials Science and Processing, 1995, 61, 45-50.	1.1	25
295	Electrooptic and electroabsorptive modulation properties in interdiffusion-modified AlGaAs-GaAs quantum wells. IEEE Photonics Technology Letters, 1995, 7, 881-883.	1.3	12
296	A new kind of Cuboid CH3NH3PbI3 Single Crystals for Highly Performed X-ray and Photon Detectors. , 0, , .		0
297	A new kind of Cuboid CH3NH3PbI3 Single Crystals for Highly Performed X-ray and Photon Detectors. , 0, , .		0