Yi Zhou

List of Publications by Year
in descending order

146 papers	6,704 citations	53751 45 h-index	66879 78 g-index
148 all docs	148 docs citations	148 times ranked	9610 citing authors

#	Article	IF	Citations
1	Controlled Synthesis and Optical Properties of Colloidal Ternary Chalcogenide CuInS₂ Nanocrystals. Chemistry of Materials, 2008, 20, 6434-6443.	3.2	519
2	Osmotic Power Generation with Positively and Negatively Charged 2D Nanofluidic Membrane Pairs. Advanced Functional Materials, 2017, 27, 1603623.	7.8	312
3	Facile synthesis of the Ti3+ self-doped TiO2-graphene nanosheet composites with enhanced photocatalysis. Scientific Reports, 2015, 5, 8591.	1.6	235
4	Non-fullerene acceptor with low energy loss and high external quantum efficiency: towards high performance polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 5890-5897.	5.2	219
5	High-Yield Fabrication and Electrochemical Characterization of Tetrapodal CdSe, CdTe, and CdSexTe1â€“x Nanocrystals. Advanced Functional Materials, 2006, 16, 1705-1716.	7.8	212
6	Novel cyclodextrin-based adsorbents for removing pollutants from wastewater: A critical review. Chemosphere, 2020, 241, 125043.	4.2	190
7	Modulation of the Reduction Potential of TiO_{2â€“<i>x</i>} by Fluorination for Efficient and Selective CH₄ Generation from CO₂ Photoreduction. Nano Letters, 2018, 18, 3384-3390.	4.5	166
8	Hybrid nanocrystal/polymer solar cells based on tetrapod-shaped CdSexTe1âˆ'xnanocrystals. Nanotechnology, 2006, 17, 4041-4047.	1.3	158
9	Synthesis of Type II CdTeâˆ'CdSe Nanocrystal Heterostructured Multiple-Branched Rods and Their Photovoltaic Applications. Journal of Physical Chemistry C, 2007, 111, 6538-6543.	1.5	155
10	Polydopamine modified cyclodextrin polymer as efficient adsorbent for removing cationic dyes and Cu2+. Journal of Hazardous Materials, 2020, 389, 121897.	6.5	144
11	Benzothiadiazole-Based Linear and Star Molecules: Design, Synthesis, and Their Application in Bulk Heterojunction Organic Solar Cells. Chemistry of Materials, 2009, 21, 5327-5334.	3.2	137
12	Triple Cathode Buffer Layers Composed of PCBM, C₆₀, and LiF for High-Performance Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 6230-6237.	4.0	136
13	Influence of Molecular Weight on the Performance of Organic Solar Cells Based on a Fluorene Derivative. Advanced Functional Materials, 2010, 20, 2124-2131.	7.8	124
14	Water-Soluble 2D Transition Metal Dichalcogenides as the Hole-Transport Layer for Highly Efficient and Stable pâ€“iâ€“n Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 25323-25331.	4.0	115
15	A facile route to synthesize chalcopyrite CuInSe2nanocrystals in non-coordinating solvent. Nanotechnology, 2007, 18, 025602.	1.3	113
16	Binaphthylâ€Containing Greenâ€•and Redâ€Emitting Molecules for Solutionâ€Processable Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2008, 18, 3299-3306.	7.8	108
17	0D/2D plasmonic Cu2-xS/g-C3N4 nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. Applied Catalysis B: Environmental, 2020, 263, 118326.	10.8	100
18	Solution-Processable Organic Molecule with Triphenylamine Core and Two Benzothiadiazole-Thiophene Arms for Photovoltaic Application. Journal of Physical Chemistry C, 2010, 114, 3701-3706.	1.5	97

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19	Ultrabroad Photoluminescence and Electroluminescence at New Wavelengths from Doped Organometal Halide Perovskites. Journal of Physical Chemistry Letters, 2016, 7, 2735-2741.	2.1	97
20	Room-temperature mixed-solvent-vapor annealing for high performance perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 321-326.	5.2	96
21	Semi-transparent perovskite solar cells: unveiling the trade-off between transparency and efficiency. Journal of Materials Chemistry A, 2018, 6, 19696-19702.	5.2	95
22	Tailoring side chains of low band gap polymers for high efficiency polymer solar cells. Polymer, 2010, 51, 3031-3038.	1.8	90
23	21.7% efficiency achieved in planar nâ€“iâ€“p perovskite solar cells <i>via</i> interface engineering with water-soluble 2D TiS₂. Journal of Materials Chemistry A, 2019, 7, 6213-6219.	5.2	87
24	Improvement of Photoluminescent and Photovoltaic Properties of Poly(thienylene vinylene) by Carboxylate Substitution. Macromolecules, 2009, 42, 4377-4380.	2.2	85
25	Enhanced removal of bisphenol A by cyclodextrin in photocatalytic systems: Degradation intermediates and toxicity evaluation. Chinese Chemical Letters, 2020, 31, 2623-2626.	4.8	84
26	Easily accessible polymer additives for tuning the crystal-growth of perovskite thin-films for highly efficient solar cells. Nanoscale, 2016, 8, 5552-5558.	2.8	83
27	Facilitating Electron Transportation in Perovskite Solar Cells via Water-Soluble Fullerenol Interlayers. ACS Applied Materials & Interfaces, 2016, 8, 18284-18291.	4.0	78
28	Effect of PEI cathode interlayer on work function and interface resistance of ITO electrode in the inverted polymer solar cells. Organic Electronics, 2015, 17, 94-101.	1.4	76
29	Dramatic enhancement effects of l-cysteine on the degradation of sulfadiazine in Fe3+/CaO2 system. Journal of Hazardous Materials, 2020, 383, 121133.	6.5	76
30	Fe3O4/graphene aerogels: A stable and efficient persulfate activator for the rapid degradation of malachite green. Chemosphere, 2020, 251, 126402.	4.2	74
31	Fullerene Derivative-Modified SnO₂ Electron Transport Layer for Highly Efficient Perovskite Solar Cells with Efficiency over 21%. ACS Applied Materials & Interfaces, 2019, 11, 33825-33834.	4.0	73
32	Observation of a Charge Transfer State in Lowâ€Bandgap Polymer/Fullerene Blend Systems by Photoluminescence and Electroluminescence Studies. Advanced Functional Materials, 2009, 19, 3293-3299.	7.8	71
33	Novel twoâ€dimensional donorâ€“acceptor conjugated polymers containing quinoxaline units: Synthesis, characterization, and photovoltaic properties. Journal of Polymer Science Part A, 2008, 46, 4038-4049.	2.5	69
34	A facile approach to further improve the substitution of nitrogen into reduced TiO2âˆ’ with an enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2015, 170-171, 66-73.	10.8	64
35	Solution-Processable Red-Emission Organic Materials Containing Triphenylamine and Benzothiodiazole Units: Synthesis and Applications in Organic Light-Emitting Diodes. Journal of Physical Chemistry B, 2009, 113, 7745-7752.	1.2	63
36	Solution-Processable Gradient Red-Emitting Ï€-Conjugated Dendrimers Based on Benzothiadiazole as Core: Synthesis, Characterization, and Device Performances. Journal of Organic Chemistry, 2009, 74, 7449-7456.	1.7	62

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37	Crown-ether functionalized fullerene as a solution-processable cathode buffer layer for high performance perovskite and polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 9278-9284.	5.2	61
38	Enhanced photocatalytic activities of vacuum activated TiO2 catalysts with Ti3+ and N co-doped. Catalysis Today, 2016, 266, 188-196.	2.2	61
39	High Efficiency Planar pâ€iâ€n Perovskite Solar Cells Using Lowâ€Cost Fluoreneâ€Based Hole Transporting Material. Advanced Functional Materials, 2019, 29, 1900484.	7.8	59
40	The Effect of additive on performance and shelf-stability of HSX-1/PCBM photovoltaic devices. Organic Electronics, 2011, 12, 1544-1551.	1.4	58
41	Defect passivation by alcohol-soluble small molecules for efficient pâ€“iâ€“n planar perovskite solar cells with high open-circuit voltage. Journal of Materials Chemistry A, 2019, 7, 21140-21148.	5.2	58
42	Low bandgap polymers synthesized by FeCl3 oxidative polymerization. Solar Energy Materials and Solar Cells, 2010, 94, 1275-1281.	3.0	56
43	Reduced {001}-TiO_{2âˆ’x} photocatalysts: noble-metal-free CO₂ photoreduction for selective CH₄ evolution. Physical Chemistry Chemical Physics, 2017, 19, 13875-13881.	1.3	50
44	All-small-molecule organic solar cells based on an electron donor incorporating binary electron-deficient units. Journal of Materials Chemistry A, 2016, 4, 6056-6063.	5.2	49
45	Room-Temperature and Aqueous Solution-Processed Two-Dimensional TiS₂ as an Electron Transport Layer for Highly Efficient and Stable Planar nâ€“iâ€“p Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 14796-14802.	4.0	49
46	Dibenzo[<i>b</i>,<i>d</i>]thiopheneâ€Cored Holeâ€Transport Material with Passivation Effect Enabling the Highâ€Efficiency Planar pâ€“iâ€“n Perovskite Solar Cells with 83% Fill Factor. Solar Rrl, 2020, 4, 1900421.	3.1	47
47	Graphene modified mesoporous titania single crystals with controlled and selective photoredox surfaces. Chemical Communications, 2016, 52, 1689-1692.	2.2	45
48	Synthesis and Absorption Spectra of nâ€Type Conjugated Polymers Based on Perylene Diimide. Macromolecular Rapid Communications, 2008, 29, 1444-1448.	2.0	43
49	High performance planar <i>p-i-n</i> perovskite solar cells with crown-ether functionalized fullerene and LiF as double cathode buffer layers. Applied Physics Letters, 2015, 107, .	1.5	42
50	Monodispersed ZnSe Colloidal Microspheres:â€‰ Preparation, Characterization, and Their 2D Arrays. Langmuir, 2007, 23, 9008-9013.	1.6	38
51	Catechol derivatives as dopants in PEDOT:PSS to improve the performance of pâ€“iâ€“n perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 24275-24281.	5.2	37
52	A novel hollow-sphere cyclodextrin nanoreactor for the enhanced removal of bisphenol A under visible irradiation. Journal of Hazardous Materials, 2020, 384, 121267.	6.5	37
53	Double-Layer Structured WPLEDs Based on Three Primary RGB Luminescent Polymers:â€‰ Toward High Luminous Efficiency, Color Purity, and Stability. Journal of Physical Chemistry C, 2007, 111, 6862-6867.	1.5	36
54	Controlled synthesis of 3D nanostructured Cd4Cl3(OH)5templates and their transformation into Cd(OH)2and CdS nanomaterials. Nanotechnology, 2006, 17, 772-777.	1.3	34

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55	Fabrication of Micro-Optics Elements with Arbitrary Surface Profiles Based on One-Step Maskless Grayscale Lithography. Micromachines, 2017, 8, 314.	1.4	32
56	Poly(4,8â€bis(2â€ethylhexyloxy)benzo[1,2â€b:4,5â€bâ€²]dithiophene vinylene): Synthesis, optical and photovoltaic properties. Journal of Polymer Science Part A, 2010, 48, 1822-1829.	2.5	31
57	Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. Journal of Materials Chemistry A, 2016, 4, 7736-7745.	5.2	31
58	Towards a full understanding of regioisomer effects of indene-C₆₀ bisadduct acceptors in bulk heterojunction polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 10206-10219.	5.2	31
59	Accelerated photoelectron transmission by carboxymethyl Î²-cyclodextrin for organic contaminants removal: An alternative to noble metal catalyst. Journal of Hazardous Materials, 2020, 393, 122414.	6.5	30
60	Copolymers based on thiazolothiazole-dithienosilole as hole-transporting materials for high efficient perovskite solar cells. Organic Electronics, 2016, 33, 142-149.	1.4	29
61	<i>N</i>,<i>N</i>-Di-<i>para</i>-methylthiophenylamine-Substituted (2-Ethylhexyl)-9<i>H</i>-Carbazole: A Simple, Dopant-Free Hole-Transporting Material for Planar Perovskite Solar Cells. Journal of Physical Chemistry C, 2017, 121, 21821-21826.	1.5	29
62	Alternating copolymers of fluorene and donorâ€"acceptorâ€"donor segments designed for miscibility in bulk heterojunction photovoltaics. Journal of Materials Chemistry, 2009, 19, 5359.	6.7	28
63	Broad-band plasmonic Cu-Au bimetallic nanoparticles for organic bulk heterojunction solar cells. Organic Electronics, 2016, 38, 213-221.	1.4	28
64	Comprehensive Study of Solâ€"Gel versus Hydrolysisâ€"Condensation Methods To Prepare ZnO Films: Electron Transport Layers in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 26234-26241.	4.0	28
65	Fullerenes and derivatives as electron transport materials in perovskite solar cells. Science China Chemistry, 2017, 60, 144-150.	4.2	28
66	Concentration-dependent and light-responsive self-assembly of bolaamphiphiles bearing Î±-cyanostilbene based photochromophore. Soft Matter, 2015, 11, 798-805.	1.2	27
67	Enhancement of the efficiency and stability of planar p-i-n perovskite solar cells via incorporation of an amine-modified fullerene derivative as a cathode buffer layer. Science China Chemistry, 2017, 60, 136-143.	4.2	25
68	Fluorinating Dopant-Free Small-Molecule Hole-Transport Material to Enhance the Photovoltaic Property. ACS Applied Materials & Interfaces, 2021, 13, 7705-7713.	4.0	25
69	Tuning Surface Energy of Conjugated Polymers via Fluorine Substitution of Side Alkyl Chains: Influence on Phase Separation of Thin Films and Performance of Polymer Solar Cells. ACS Omega, 2017, 2, 2489-2498.	1.6	25
70	Zwitterionic Polymer: A Facile Interfacial Material Works at Both Anode and Cathode in <i>pâ€iâ€n</i> Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900118.	3.1	24
71	Mechanism of Enhancement in Perovskite Solar Cells by Organosulfur Amine Constructed 2D/3D Heterojunctions. Journal of Physical Chemistry C, 2021, 125, 16428-16434.	1.5	23
72	All polymer solar cells with diketopyrrolopyrrole-polymers as electron donor and a naphthalenediimide-polymer as electron acceptor. RSC Advances, 2016, 6, 35677-35683.	1.7	22

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73	Enhanced p-i-n type perovskite solar cells by doping AuAg@AuAg core-shell alloy nanocrystals into PEDOT:PSS layer. Organic Electronics, 2018, 52, 309-316.	1.4	22
74	3,5-Difluorophenylboronic acid-modified SnO2 as ETLs for perovskite solar cells: PCEÂ>Â22.3%, T82Â>Â3000Âh. Chemical Engineering Journal, 2022, 433, 133744.	6.6	22
75	Tuning Work Function of Noble Metals As Promising Cathodes in Organic Electronic Devices. Chemistry of Materials, 2009, 21, 2798-2802.	3.2	21
76	Vacuum activation-induced Ti3+ and carbon co-doped TiO2 with enhanced solar light photo-catalytic activity. Research on Chemical Intermediates, 2016, 42, 4181-4189.	1.3	21
77	Copper(II) chloride doped graphene oxides as efficient hole transport layer for high-performance polymer solar cells. Organic Electronics, 2017, 44, 176-182.	1.4	20
78	Ultra-broadband optical amplification at telecommunication wavelengths achieved by bismuth-activated lead iodide perovskites. Journal of Materials Chemistry C, 2017, 5, 2591-2596.	2.7	19
79	Synthesis and characterization of three small band gap conjugated polymers for solar cell applications. Polymer Chemistry, 2010, 1, 1272.	1.9	18
80	Lowering the Work Function of ITO by Covalent Surface Grafting of Aziridine: Application in Inverted Polymer Solar Cells. Advanced Materials Interfaces, 2015, 2, 1400397.	1.9	18
81	High-efficiency planar p-i-n perovskite solar cells based on dopant-free dibenzo[b,d]furan-centred linear hole transporting material. Journal of Power Sources, 2020, 449, 227488.	4.0	18
82	Sulfur nanoparticles in situ growth on TiO₂ mesoporous single crystals with enhanced solar light photocatalytic performance. RSC Advances, 2016, 6, 77863-77869.	1.7	17
83	Potassium-Ion Recovery with a Polypyrrole Membrane Electrode in Novel Redox Transistor Electrodialysis. Environmental Science & Technology, 2020, 54, 4592-4600.	4.6	17
84	Recent Progress in Perovskite Solar Cells Modified by Sulfur Compounds. Solar Rrl, 2021, 5, 2000713.	3.1	17
85	Reducing trap densities of perovskite films by the addition of hypoxanthine for high-performance and stable perovskite solar cells. Chemical Engineering Journal, 2022, 436, 135269.	6.6	17
86	High quantum efficiency mid-wavelength interband cascade infrared photodetectors with one and two stages. Semiconductor Science and Technology, 2016, 31, 085005.	1.0	16
87	Unique Supramolecular Liquidâ€Crystal Phases with Different Twoâ€Dimensional Crystal Layers. Angewandte Chemie - International Edition, 2018, 57, 13454-13458.	7.2	16
88	Evolution of interfacial properties with annealing in InAs/GaSb superlattice probed by infrared photoluminescence. Japanese Journal of Applied Physics, 2014, 53, 082201.	0.8	15
89	A two-dimension-conjugated small molecule for efficient ternary organic solar cells. Organic Electronics, 2017, 48, 179-187.	1.4	15
90	Conjugated copolymers as doping- and annealing-free hole transport materials for highly stable and efficient pâ€“iâ€“n perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 2269-2275.	5.2	15

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91	Zwitterions: promising interfacial/doping materials for organic/perovskite solar cells. New Journal of Chemistry, 2021, 45, 15118-15130.	1.4	15
92	Studies on InAs/GaSb superlattice structural properties by high resolution x-ray diffraction. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, 051203.	0.6	14
93	InAs/GaSb type-II superlattice mid-wavelength infrared focal plane array detectors grown by molecular beam epitaxy. Journal of Crystal Growth, 2013, 378, 596-599.	0.7	14
94	Interface layer control and optimization of InAs/GaSb type-II superlattices grown by molecular beam epitaxy. Journal of Crystal Growth, 2014, 386, 220-225.	0.7	14
95	A Nonconjugated Zwitterionic Polymer: Cathode Interfacial Layer Comparable with PFN for Narrowâ€Bandgap Polymer Solar Cells. Macromolecular Rapid Communications, 2018, 39, e1700828.	2.0	14
96	Poly(quinoxaline vinylene) With Conjugated Phenylenevinylene Side Chain: A Potential Polymer Acceptor With Broad Absorption Band. Macromolecular Chemistry and Physics, 2007, 208, 1294-1300.	1.1	13
97	InAs-based InAs/GaAsSb type-II superlattices: Growth and characterization. Journal of Crystal Growth, 2015, 416, 130-133.	0.7	13
98	Solvent-resistant ITO work function tuning by an acridine derivative enables high performance inverted polymer solar cells. Organic Electronics, 2016, 35, 6-11.	1.4	12
99	Thinner-film plastic photovoltaic cells based on different C60 derivatives. Polymers for Advanced Technologies, 2006, 17, 500-505.	1.6	11
100	Black Polymers in Bulk-Heterojunction Solar Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1565-1572.	1.9	11
101	Growth and fabrication of InAs/GaSb type II superlattice mid-wavelength infrared photodetectors. Nanoscale Research Letters, 2011, 6, 635.	3.1	11
102	Chemical Modification of <i>n</i>-Type-Material Naphthalene Diimide on ITO for Efficient and Stable Inverted Polymer Solar Cells. Langmuir, 2017, 33, 8679-8685.	1.6	11
103	Annealing- and doping-free hole transport material for p-i-n perovskite solar cells with efficiency achieving over 21%. Chemical Engineering Journal, 2022, 433, 133265.	6.6	11
104	Synthesis of In2 S3 Nanoplates and Their Self-Assembly into Superlattices. Journal of Nanoscience and Nanotechnology, 2007, 7, 4346-4352.	0.9	10
105	Efficiency enhancement from [60]fulleropyrrolidine-based polymer solar cells through N-substitution manipulation. Carbon, 2015, 92, 185-192.	5.4	10
106	Diblock Copolymer PF-b-PDMAEMA as Effective Cathode Interfacial Material in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 42961-42968.	4.0	10
107	Effect of Fullerene Volume Fraction on Twoâ€Dimensional Crystalâ€Constructed Supramolecular Liquid Crystals. Chemistry - an Asian Journal, 2019, 14, 125-129.	1.7	10
108	Recent progress in metal sulfide-based electron transport layers in perovskite solar cells. Nanoscale, 2021, 13, 17272-17289.	2.8	10

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109	Conjugated polymers with polar side chains in bulk heterojunction solar cell devices. Polymer International, 2014, 63, 22-30.	1.6	9
110	Highly efficient and thickness-tolerable bulk heterojunction polymer solar cells based on P3HT donor and a low-bandgap non-fullerene acceptor. Journal of Power Sources, 2017, 364, 426-431.	4.0	9
111	Zwitter-Ionic Polymer Applied as Electron Transportation Layer for Improving the Performance of Polymer Solar Cells. Polymers, 2017, 9, 566.	2.0	9
112	Improve the crystallinity and morphology of perovskite films by suppressing the formation of intermediate phase of CH3NH3PbCl3. Organic Electronics, 2019, 68, 96-102.	1.4	9
113	3,4-Dihydroxybenzhydrazide as an additive to improve the morphology of perovskite films for efficient and stable perovskite solar cells. Organic Electronics, 2019, 66, 47-52.	1.4	9
114	Comprehensive Study of the Effect of DPE Additive on Photovoltaic Performance of 5,6-Difluoro-benzo[1,2,5]thiadiazole Based Donor-acceptor Copolymers. Acta Chimica Sinica, 2017, 75, 464.	0.5	9
115	Optimized Model Surfaces for Advanced Atomic Force Microscopy Studies of Surface Nanobubbles. Langmuir, 2016, 32, 11179-11187.	1.6	8
116	Sintering mechanism of high-intensity and low-density ceramic proppants prepared by recycling of waste ceramic sands. Advances in Applied Ceramics, 2019, 118, 114-120.	0.6	7
117	Preparation, structural and mechanical characterization of ceria-added phosphate glasses. Journal of Non-Crystalline Solids, 2021, 570, 120878.	1.5	7
118	Electroluminescent fluoreneâ€based alternating polymers bearing triarylamine or carbazole moieties in the main chain: Synthesis and properties. Journal of Applied Polymer Science, 2009, 111, 978-987.	1.3	6
119	Potassium-neutralized perylene derivative (K4PTC) and rGO-K4PTC composite as effective and inexpensive electron transport layers for polymer solar cells. Organic Electronics, 2016, 37, 47-54.	1.4	6
120	Impact of Alkyl Chain Length on the Properties of Fluorenyl-Based Linear Hole-Transport Materials in <i>p-i-n</i> Perovskites Solar Cells. ACS Applied Energy Materials, 2022, 5, 7988-7996.	2.5	6
121	Dihydrobenzofuran-C60 bisadducts as electron acceptors in polymer solar cells: Effect of alkyl substituents. Synthetic Metals, 2016, 215, 176-183.	2.1	5
122	A solvent-governed surface state strategy for rational synthesis of N and S co-doped carbon dots with multicolour fluorescence. Molecular Physics, 2020, 118, e1710609.	0.8	5
123	Poly[2,7-(9,9-dihexylfluorene)]-block-poly[2-(dimethylamino)ethylmethacrylate] as resilient cathode interlayers in polymer solar cells: the effect of block ratios. Journal of Power Sources, 2020, 449, 227474.	4.0	5
124	Branched poly(<i>p</i>â€phenylenevinylene): Synthesis, optical and electrochemical properties. Journal of Applied Polymer Science, 2008, 110, 1002-1008.	1.3	4
125	InAs-based type-II superlattice long wavelength photodetectors. Proceedings of SPIE, 2016, , .	0.8	4
126	Spatial Modulation-Assisted Scanning White-Light Interferometry for Noise Suppression. IEEE Photonics Technology Letters, 2018, 30, 379-382.	1.3	4

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127	Low-cost preparation and characterization of MgAl2O4 ceramics. Ceramics International, 2021, 48, 7316-7316.	2.3	4
128	High operation temperature mid-wavelength interband cascade infrared photodetectors grown on InAs substrate. Proceedings of SPIE, 2016, , .	0.8	3
129	Topography Measurement of Large-Range Microstructures through Advanced Fourier-Transform Method and Phase Stitching in Scanning Broadband Light Interferometry. Micromachines, 2017, 8, 319.	1.4	3
130	Corrosion behaviors of the copper alloy electrodes in ArF excimer laser operation process. High Power Laser Science and Engineering, 2018, 6, .	2.0	3
131	Synthesis of Sb₂E₃ (E = S, Se) Nanorods with a Flat Cross Section by a Rapid Hot Injection Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 7778-7782.	0.9	2
132	Improved PID algorithms with application to excimer laser temperature control. , 2014, , .		2
133	Unique Supramolecular LiquidÃ¢â‚¬Crystal Phases with Different TwoÃ¢â‚¬Dimensional Crystal Layers. Angewandte Chemie, 2018, 130, 13642-13646.	1.6	2
134	Synthesis and characterization of red-emission PPV copolymers containing fluorenone unit. Central South University, 2010, 17, 269-276.	0.5	1
135	X-ray diffraction analysis of high quality InAs/GaSb Type II superlattices grown by MBE. , 2011, , .		1
136	Dark current analysis of long wavelength InAs/GaSb superlattice infrared detector. , 2012, , .		1
137	Fabrication and characterization of InAs/GaSb strained layer superlattice infrared focal plane array detectors. , 2013, , .		1
138	MoirÃ©-Based Interferometry for Magnification Calibration of Bitelecentric Lens System. IEEE Photonics Journal, 2015, 7, 1-11.	1.0	1
139	Studies on different passivation on InAs/GaSb type-II superlattice photodetectors. Proceedings of SPIE, 2016, , .	0.8	1
140	L-3, 4-dihydroxyphenylalanine and Dimethyl Sulfoxide Codoped PEDOT:PSS as a Hole Transfer Layer: towards High-Performance Planar <i>p</i>-i-<i>n</i> Perovskite Solar Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 1264-1271.	2.2	1
141	The accurate measurement of background carrier concentration in short-period longwave InAs/GaSb superlattices on GaSb substrate. , 2012, , .		0
142	Interface design and properties in InAs/GaSb type-II superlattices grown by molecular beam epitaxy. Proceedings of SPIE, 2013, , .	0.8	0
143	Molecular beam epitaxy growth of high quality InAs/GaSb type-II superlattices for long wavelength infrared detection. , 2014, , .		0
144	High quality mid-wavelength infrared InAs/GaSb superlattices by exploring the optimum molecular beam epitaxy growth process. Infrared Physics and Technology, 2014, 67, 8-13.	1.3	0

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145	Studies on abrupt and gradual band gap hole barriers in InAs/GaSb superlattice long wavelength photodetectors. , 2015, , .		0
146	High performance InAs/GaSb superlattice long wavelength photodetectors based on barrier enhanced structures. Proceedings of SPIE, 2015, , .	0.8	0