Qingdong Zheng

List of Publications by Year
in descending order

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154	9,498	38660 50	39575 94
papers	citations	h-index	g-index

159	159	159	11041
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the Intermolecular Interactions of Ladder-Type Heteroheptacene-Based Nonfullerene Acceptors for Efficient Polymer Solar Cells by Incorporating Asymmetric Side Chains. CCS Chemistry, 2023, 5, 455-468.	4.6	9
2	Boosting the photovoltaic performance of ladder-type heteroheptacene-based nonfullerene acceptors by incorporating auxochromic groups in the electron-rich core. Chemical Engineering Journal, 2022, 427, 131022.	6.6	7
3	Absorption Spectrumâ€Compensating Configuration Reduces the Energy Loss of Nonfullerene Organic Solar Cells. Advanced Functional Materials, 2022, 32, 2109735.	7.8	7
4	High-performance heptacyclic ladder-type heteroarene-based electron acceptors enabled by bulky neighboring side-chains and end-group fluorination. Chemical Engineering Journal, 2022, 432, 134393.	6.6	8
5	Improving the efficiency and stability of binary small-molecule organic solar cells by incorporating a small amount of polymer acceptor. Journal of Materials Chemistry A, 2022, 10, 10400-10407.	5.2	4
6	Mâ€Series Nonfullerene Acceptors with Varied Fluorinated End Groups: Crystal Structure, Intermolecular Interaction, Charge Transport, and Photovoltaic Performance. Solar Rrl, 2022, 6, .	3.1	7
7	Furfurylammonium as a Spacer for Efficient 2D Ruddlesdenâ€“Popper Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	8
8	A Dual Post-Treatment Method for Improving the Performance of Ternary NiMgO Semiconductor Interfacial Layers and Their Organic Solar Cells^{â€»}. Acta Chimica Sinica, 2022, 80, 581.	0.5	2
9	Rationally Tuning Blend Miscibility of Polymer Donor and Nonfullerene Acceptor for Constructing Efficient Organic Solar Cells^{â€»}. Acta Chimica Sinica, 2022, 80, 724.	0.5	0
10	Emerging Perovskite Materials with Different Nanostructures for Photodetectors. Advanced Optical Materials, 2021, 9, 2001637.	3.6	40
11	KF-Doped SnO₂ as an electron transport layer for efficient inorganic CsPbI₂Br perovskite solar cells with enhanced open-circuit voltages. Journal of Materials Chemistry C, 2021, 9, 4240-4247.	2.7	28
12	Efficient Organic Solar Cells from Molecular Orientation Control of M-Series Acceptors. Joule, 2021, 5, 197-209.	11.7	164
13	Enhancing the Photovoltaic Performance of Ladderâ€Type Heteroheptaceneâ€based Nonfullerene Acceptors by Incorporating Halogen Atoms on Their Ending Groups. Advanced Functional Materials, 2021, 31, 2010436.	7.8	26
14	Ladder-type heteroacene-based dopant-free hole-transporting materials for efficient and stable CsPbI2Br perovskite solar cells. Dyes and Pigments, 2021, 191, 109368.	2.0	8
15	Highâ€Performance Ladderâ€Type Heteroheptaceneâ€Based Nonfullerene Acceptors Enabled by Asymmetric Cores with Enhanced Noncovalent Intramolecular Interactions. Angewandte Chemie, 2021, 133, 19463-19472.	1.6	9
16	Highâ€Performance Ladderâ€Type Heteroheptaceneâ€Based Nonfullerene Acceptors Enabled by Asymmetric Cores with Enhanced Noncovalent Intramolecular Interactions. Angewandte Chemie - International Edition, 2021, 60, 19314-19323.	7.2	54
17	Molecular orientation, anisotropic electron transport and photovoltaic properties of ladder-type heteroheptacene-based semiconductors. Chemical Engineering Journal, 2021, 418, 129497.	6.6	14
18	Regioregular Narrowâ€Bandgap nâ€Type Polymers with High Electron Mobility Enabling Highly Efficient Allâ€Polymer Solar Cells. Advanced Materials, 2021, 33, e2102635.	11.1	151

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19	Hotâ€Casting Boosts Efficiency of Halogenâ€Free Solvent Processed Nonâ€Fullerene Organic Solar Cells. Advanced Functional Materials, 2021, 31, 2105794.	7.8	17
20	PEDOT:PSSâ€Free Polymer Nonâ€Fullerene Polymer Solar Cells with Efficiency up to 18.60% Employing a Binaryâ€Solventâ€Chlorinated ITO Anode. Advanced Functional Materials, 2021, 31, 2106846.	7.8	40
21	Different Morphology Dependence for Efficient Indoor Organic Photovoltaics: The Role of the Leakage Current and Recombination Losses. ACS Applied Materials & Interfaces, 2021, 13, 44604-44614.	4.0	13
22	Enhancing the efficiency and stability of two-dimensional Dionâ€“Jacobson perovskite solar cells using a fluorinated diammonium spacer. Journal of Materials Chemistry A, 2021, 9, 11778-11786.	5.2	27
23	Over 17% Efficiency of Ternary Organic Photovoltaics Employing Two Acceptors with an Acceptorâ€“Donorâ€“Acceptor Configuration. ACS Applied Materials & Interfaces, 2021, 13, 57684-57692.	4.0	47
24	A minimal benzo[c][1,2,5]thiadiazole-based electron acceptor as a third component material for ternary polymer solar cells with efficiencies exceeding 16.0%. Materials Horizons, 2020, 7, 117-124.	6.4	85
25	Broadband organic photodetectors based on ternary blend active layers with enhanced and spectrally flat response. Journal of Materials Chemistry C, 2020, 8, 14049-14055.	2.7	31
26	Enhancing the photovoltaic performance of heteroheptacene-based nonfullerene acceptors through the synergistic effect of side-chain engineering and fluorination. Journal of Materials Chemistry A, 2020, 8, 24543-24552.	5.2	19
27	Improving the charge transport of the ternary blend active layer for efficient semitransparent organic solar cells. Energy and Environmental Science, 2020, 13, 5177-5185.	15.6	75
28	Surface Passivation of Allâ€Inorganic CsPbI₂Br with a Fluorinated Organic Ammonium Salt for Perovskite Solar Cells with Efficiencies over 16%. Solar Rrl, 2020, 4, 2000321.	3.1	61
29	Ladderâ€Type Heteroheptacenes with Different Heterocycles for Nonfullerene Acceptors. Angewandte Chemie - International Edition, 2020, 59, 21627-21633.	7.2	108
30	Celebrating 60 years of the Fujian Institute of Research on the Structure of Matter. Nanoscale, 2020, 12, 21969-21970.	2.8	0
31	Ladderâ€Type Heteroheptacenes with Different Heterocycles for Nonfullerene Acceptors. Angewandte Chemie, 2020, 132, 21811-21817.	1.6	14
32	Control over Ï€-Ï€ stacking of heteroheptacene-based nonfullerene acceptors for 16% efficiency polymer solar cells. National Science Review, 2020, 7, 1886-1895.	4.6	84
33	Sandwich structured dielectrics for air-stable and flexible low-voltage organic transistors in ultrasensitive pressure sensing. Materials Chemistry Frontiers, 2020, 4, 1459-1470.	3.2	21
34	A facile surface passivation method for efficient inorganic CsPbI2Br perovskite solar cells with efficiencies over 15%. Science China Materials, 2020, 63, 719-727.	3.5	26
35	Asymmetric indenothienothiophene-based unfused core for A-D-A type nonfullerene acceptors. Dyes and Pigments, 2020, 180, 108495.	2.0	3
36	Enhancing the Photovoltaic Performance of Ladder-Type Dithienocyclopentacarbazole-Based Nonfullerene Acceptors through Fluorination and Side-Chain Engineering. Chemistry of Materials, 2019, 31, 5953-5963.	3.2	43

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37	Poly(vinylpyrrolidone)-doped SnO₂as an electron transport layer for perovskite solar cells with improved performance. Journal of Materials Chemistry C, 2019, 7, 12204-12210.	2.7	28
38	Enhancing the performance of photomultiplication-type organic photodetectors using solution-processed ZnO as an interfacial layer. Journal of Materials Chemistry C, 2019, 7, 1544-1550.	2.7	36
39	Ladder-type dithienocyclopentadibenzothiophene-cored wide-bandgap polymers for efficient non-fullerene solar cells with large open-circuit voltages. Journal of Materials Chemistry A, 2019, 7, 3307-3316.	5.2	9
40	Defect passivation of CsPbI2Br perovskites through Zn(II) doping: toward efficient and stable solar cells. Science China Chemistry, 2019, 62, 1044-1050.	4.2	55
41	Asymmetric indenothiophene-based nonfullerene acceptors for binary- and ternary-blend polymer solar cells. Dyes and Pigments, 2019, 170, 107555.	2.0	9
42	Dithienocyclopentadibenzothiophene: a C_{2v}-symmetric core for nonfullerene acceptors with tunable bandgaps. Journal of Materials Chemistry A, 2019, 7, 9609-9617.	5.2	11
43	Real-time monitoring of intracellular nitric oxide using a long-wavelength-emitting probe via one-photon or two-photon excitation. Journal of Materials Chemistry C, 2019, 7, 3246-3252.	2.7	19
44	Polyelectrolyte Dielectrics for Flexible Lowâ€Voltage Organic Thinâ€Film Transistors in Highly Sensitive Pressure Sensing. Advanced Functional Materials, 2019, 29, 1806092.	7.8	71
45	Micropatterned elastic ionic polyacrylamide hydrogel for low-voltage capacitive and organic thin-film transistor pressure sensors. Nano Energy, 2019, 58, 96-104.	8.2	123
46	Ladder-type heteroheptacene-cored semiconductors for small-molecule solar cells. Dyes and Pigments, 2018, 149, 747-754.	2.0	7
47	Binary polymer composite dielectrics for flexible low-voltage organic field-effect transistors. Organic Electronics, 2018, 53, 205-212.	1.4	35
48	Cyclopentadithiophene-cored non-fullerene acceptors for efficient polymer solar cells with superior stability. Solar Energy, 2018, 174, 991-998.	2.9	11
49	Dithienonaphthalene-Based Non-fullerene Acceptors With Different Bandgaps for Organic Solar Cells. Frontiers in Chemistry, 2018, 6, 427.	1.8	6
50	Defect Passivation of CsPbIBr₂ Perovskites for High-Performance Solar Cells with Large Open-Circuit Voltage of 1.28 V. ACS Applied Energy Materials, 2018, 1, 5872-5878.	2.5	62
51	Modulation of bulk heterojunction morphology through small Ï€-bridge changes for polymer solar cells with enhanced performance. Journal of Materials Chemistry C, 2018, 6, 5999-6007.	2.7	8
52	Solutionâ€Processed Bilayer Dielectrics for Flexible Lowâ€Voltage Organic Fieldâ€Effect Transistors in Pressureâ€Sensing Applications. Advanced Science, 2018, 5, 1701041.	5.6	66
53	Wearable Sensors: Micropatterned Elastic Gold-Nanowire/Polyacrylamide Composite Hydrogels for Wearable Pressure Sensors (Adv. Mater. Technol. 7/2018). Advanced Materials Technologies, 2018, 3, 1870029.	3.0	5
54	Micropatterned Elastic Goldâ€Nanowire/Polyacrylamide Composite Hydrogels for Wearable Pressure Sensors. Advanced Materials Technologies, 2018, 3, 1800051.	3.0	59

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55	Long lifetime stable and efficient semitransparent organic solar cells using a ZnMgO-modified cathode combined with a thin MoO₃/Ag anode. Journal of Materials Chemistry A, 2017, 5, 3888-3899.	5.2	38
56	Peripherally diketopyrrolopyrrole-functionalized dendritic oligothiophenes â€“ synthesis, molecular structure, properties and applications. Polymer Chemistry, 2017, 8, 1460-1476.	1.9	9
57	Indacenodithiophene-based wide bandgap copolymers for high performance single-junction and tandem polymer solar cells. Nano Energy, 2017, 33, 313-324.	8.2	52
58	Low-Temperature Solution-Processed Zinc Tin Oxide Film as a Cathode Interlayer for Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 6186-6193.	4.0	40
59	Epitaxial Growth of MOF Thin Film for Modifying the Dielectric Layer in Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 7259-7264.	4.0	56
60	Heteroheptacene-cored semiconducting molecules for non-fullerene organic solar cells. Dyes and Pigments, 2017, 144, 133-141.	2.0	21
61	High performance thermal-treatment-free tandem polymer solar cells with high fill factors. Organic Electronics, 2017, 47, 79-84.	1.4	14
62	A ternary conjugated Dâ€“A copolymer yields over 9.0% efficiency in organic solar cells. Journal of Materials Chemistry A, 2017, 5, 12015-12021.	5.2	10
63	Indenothiophene-based asymmetric small molecules for organic solar cells. RSC Advances, 2017, 7, 18144-18150.	1.7	7
64	Recent advances in wide bandgap semiconducting polymers for polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 1860-1872.	5.2	92
65	Angular-Shaped Dithienonaphthalene-Based Nonfullerene Acceptor for High-Performance Polymer Solar Cells with Large Open-Circuit Voltages and Minimal Energy Losses. Chemistry of Materials, 2017, 29, 9775-9785.	3.2	59
66	Ladder-Type Dithienonaphthalene-Based Small-Molecule Acceptors for Efficient Nonfullerene Organic Solar Cells. Chemistry of Materials, 2017, 29, 7942-7952.	3.2	105
67	Asymmetric indenothiophene-based non-fullerene acceptors for efficient polymer solar cells. Science China Materials, 2017, 60, 707-716.	3.5	13
68	Pushâ€“Pull Type Non-Fullerene Acceptors for Polymer Solar Cells: Effect of the Donor Core. ACS Applied Materials & Interfaces, 2017, 9, 24771-24777.	4.0	42
69	Controllable ZnMgO Electronâ€Transporting Layers for Longâ€Term Stable Organic Solar Cells with 8.06% Efficiency after Oneâ€Year Storage. Advanced Energy Materials, 2016, 6, 1501493.	10.2	72
70	Asymmetricâ€Indenothiopheneâ€Based Copolymers for Bulk Heterojunction Solar Cells with 9.14% Efficiency. Advanced Materials, 2016, 28, 3359-3365.	11.1	97
71	Organic Solar Cells: Controllable ZnMgO Electron-Transporting Layers for Long-Term Stable Organic Solar Cells with 8.06% Efficiency after One-Year Storage (Adv. Energy Mater. 4/2016). Advanced Energy Materials, 2016, 6, n/a-n/a.	10.2	0
72	Solution-processed MoS_xthin-films as hole-transport layers for efficient polymer solar cells. RSC Advances, 2016, 6, 39137-39143.	1.7	8

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73	Indenothiopheneâ€Based Wide Bandgap Copolymer for Polymer Fullerene Solar Cells with 9.01% Efficiency and 1.0 V Open Circuit Voltage. Advanced Electronic Materials, 2016, 2, 1600340.	2.6	28
74	Interfacial Materials for Organic Solar Cells: Recent Advances and Perspectives. Advanced Science, 2016, 3, 1500362.	5.6	389
75	Side-chain engineering of diindenocarbazole-based large bandgap copolymers toward high performance polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 6160-6168.	2.7	14
76	BODIPY-doped silica nanoparticles with reduced dye leakage and enhanced singlet oxygen generation. Scientific Reports, 2015, 5, 12602.	1.6	49
77	Liquidâ€Crystalline Mesogens Based on Cyclo[6]aramides: Distinctive Phase Transitions in Response to Macrocyclic Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2015, 54, 11147-11152.	7.2	58
78	Improved synthesis and photovoltaic performance of donorâ€“acceptor copolymers based on dibenzothiophene-cored ladder-type heptacyclic units. Journal of Materials Chemistry C, 2015, 3, 5631-5641.	2.7	13
79	Heavy atom enhanced generation of singlet oxygen in novel indenofluorene-based two-photon absorbing chromophores for photodynamic therapy. Dyes and Pigments, 2015, 117, 7-15.	2.0	21
80	Shell Structure Control of PPy-Modified CuO Composite Nanoleaves for Lithium Batteries with Improved Cyclic Performance. ACS Sustainable Chemistry and Engineering, 2015, 3, 507-517.	3.2	54
81	An anode buffer layer with size-controlled Ag nanoparticles for polymer solar cells with improved efficiencies. RSC Advances, 2015, 5, 16153-16161.	1.7	11
82	Controllable and Stepwise Synthesis of Soluble Ladder-Conjugated Bis(Perylene Imide) Fluorenebisimidazole as a Multifunctional Optoelectronic Material. Journal of Organic Chemistry, 2015, 80, 1871-1877.	1.7	10
83	Dialkoxynaphthalene as an electron-rich unit for high-performance polymer solar cells with large open circuit voltages. Polymer, 2015, 67, 258-266.	1.8	3
84	High electron mobility ZnO film for high-performance inverted polymer solar cells. Applied Physics Letters, 2015, 106, .	1.5	15
85	Ladder-type tetra-p-phenylene-based copolymers for efficient polymer solar cells with open-circuit voltages approaching 1.1 V. Journal of Materials Chemistry A, 2015, 3, 21672-21681.	5.2	11
86	Solution-derived poly(ethylene glycol)-TiO x nanocomposite film as a universal cathode buffer layer for enhancing efficiency and stability of polymer solar cells. Nano Research, 2015, 8, 456-468.	5.8	38
87	Dinaphtho-s-indacene-based copolymers for inverted organic solar cells with high open-circuit voltages. Polymer, 2014, 55, 2262-2270.	1.8	5
88	Bandgap Tunable Zn_{1â€x}Mg_xO Thin Films as Highly Transparent Cathode Buffer Layers for Highâ€Performance Inverted Polymer Solar Cells. Advanced Energy Materials, 2014, 4, 1301404.	10.2	93
89	Improving the photovoltaic performance of ladder-type dithienonaphthalene-containing copolymers through structural isomerization. Journal of Materials Chemistry A, 2014, 2, 13905-13915.	5.2	22
90	Diindenocarbazole-based large bandgap copolymers for high-performance organic solar cells with large open circuit voltages. Polymer Chemistry, 2014, 5, 6847-6856.	1.9	22

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91	A long-wavelength-emitting fluorescent turn-on probe for imaging hydrogen sulfide in living cells. Sensors and Actuators B: Chemical, 2014, 202, 99-104.	4.0	30
92	Inverted Organic Solar Cells (OSCs). , 2014, , 215-242.		2
93	High performance n-channel thin-film field-effect transistors based on angular-shaped naphthalene tetracarboxylic diimides. Organic Electronics, 2013, 14, 2859-2865.	1.4	9
94	Interface Control of Semiconducting Metal Oxide Layers for Efficient and Stable Inverted Polymer Solar Cells with Open-Circuit Voltages over 1.0 Volt. ACS Applied Materials & Interfaces, 2013, 5, 9015-9025.	4.0	64
95	Two-photon absorption and optical power limiting properties of ladder-type tetraphenylene cored chromophores with different terminal groups. Journal of Materials Chemistry C, 2013, 1, 1771.	2.7	63
96	Ladderâ€type Diindenopyrazine Based Conjugated Copolymers for Organic Solar Cells with High Openâ€circuit Voltages. Chinese Journal of Chemistry, 2013, 31, 1409-1417.	2.6	7
97	Indenofluorene based water soluble conjugated oligomers for Hg2+ detection. Sensors and Actuators B: Chemical, 2013, 176, 132-140.	4.0	8
98	Star-shaped chromophores based on a benzodithiophene fused truxene core for solution processed organic solar cells. Dyes and Pigments, 2013, 99, 366-373.	2.0	22
99	Frequency-upconverted stimulated emission by simultaneous five-photon absorption. Nature Photonics, 2013, 7, 234-239.	15.6	134
100	Tuning the frontier molecular orbital energy levels of nâ€type conjugated copolymers by using angularâ€shaped naphthalene tetracarboxylic diimides, and their use in allâ€polymer solar cells with high openâ€circuit voltages. Journal of Polymer Science Part A, 2013, 51, 1999-2005.	2.5	23
101	Low Band Gap Polymers Incorporating a Dicarboxylic Imide-Derived Acceptor Moiety for Efficient Polymer Solar Cells. ACS Macro Letters, 2013, 2, 605-608.	2.3	51
102	Controlling the Structures and Photonic Properties of Organic Nanomaterials by Molecular Design. Angewandte Chemie - International Edition, 2013, 52, 8713-8717.	7.2	180
103	Ladder-Type Dithienonaphthalene-Based Donorâ€“Acceptor Copolymers for Organic Solar Cells. Macromolecules, 2013, 46, 4813-4821.	2.2	40
104	Angular-shaped naphthalene tetracarboxylic diimides for n-channel organic transistor semiconductors. Chemical Communications, 2012, 48, 1254-1256.	2.2	34
105	Novel ladder-type heteroheptacene-based copolymers for bulk heterojunction solar cells. Journal of Materials Chemistry, 2012, 22, 16032.	6.7	19
106	Silylated BODIPY dyes and their use in dye-encapsulated silica nanoparticles with switchable emitting wavelengths for cellular imaging. Analyst, The, 2012, 137, 4140.	1.7	39
107	Controlled Synthesis and Energy Applications of Oneâ€Dimensional Conducting Polymer Nanostructures: An Overview. Advanced Energy Materials, 2012, 2, 179-218.	10.2	329
108	CuO/polypyrrole coreâ€“shell nanocomposites as anode materials for lithium-ion batteries. Electrochemistry Communications, 2012, 20, 40-43.	2.3	115

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109	Highly Soluble Heteroheptacene: A New Building Block for p-Type Semiconducting Polymers. Organic Letters, 2011, 13, 324-327.	2.4	27
110	A minimal core based fluorophore for selective detection of Zn(II) ions in aqueous solution and living cells. Talanta, 2011, 85, 824-828.	2.9	7
111	Applications of ZnO in organic and hybrid solar cells. Energy and Environmental Science, 2011, 4, 3861.	15.6	478
112	Silica-Based Nanoparticle Uptake and Cellular Response by Primary Microglia. Environmental Health Perspectives, 2010, 118, 589-595.	2.8	115
113	Ladder-Type Oligo-p-phenylene-Containing Copolymers with High Open-Circuit Voltages and Ambient Photovoltaic Activity. Journal of the American Chemical Society, 2010, 132, 5394-5404.	6.6	216
114	High photovoltaic performance of ladder-type oligo-p-phenylene containing copolymers with high open-circuit voltages. , 2009, , .		0
115	A novel near IR two-photon absorbing chromophore: Optical limiting and stabilization performances at an optical communication wavelength. Chemical Physics Letters, 2009, 475, 250-255.	1.2	99
116	Rayleigh, Mie, and Tyndall scatterings of polystyrene microspheres in water: Wavelength, size, and angle dependences. Journal of Applied Physics, 2009, 105, .	1.1	63
117	Multifocus Structures of Ultrashort Self-Focusing Laser Beam Observed in a Three-Photon Fluorescent Medium. IEEE Journal of Quantum Electronics, 2009, 45, 816-824.	1.0	5
118	Conformationally Restricted Dipyrromethene Boron Difluoride (BODIPY) Dyes: Highly Fluorescent, Multicolored Probes for Cellular Imaging. Chemistry - A European Journal, 2008, 14, 5812-5819.	1.7	191
119	Synthesis, Characterization, Twoâ€Photon Absorption, and Optical Limiting Properties of Ladderâ€Type Oligoâ€pâ€phenyleneâ€Cored Chromophores. Advanced Functional Materials, 2008, 18, 2770-2779.	7.8	107
120	Two- and Three-Photon Absorption and Frequency Upconverted Emission of Silicon Quantum Dots. Nano Letters, 2008, 8, 2688-2692.	4.5	92
121	Stimulated Rayleighâ€“Bragg Scattering From a Two-Photon Absorbing CdSeâ€“CdSâ€“ZnS Quantum-Rods System: Optical Power Limiting and Phase-Conjugation. IEEE Journal of Quantum Electronics, 2008, 44, 894-901.	1.0	2
122	Pyromellitic Diimides: Minimal Cores for High Mobility n-Channel Transistor Semiconductors. Journal of the American Chemical Society, 2008, 130, 14410-14411.	6.6	120
123	Multiphoton Absorbing Materials:â€‰ Molecular Designs, Characterizations, and Applications. Chemical Reviews, 2008, 108, 1245-1330.	23.0	1,906
124	Water-Soluble Two-Photon Absorbing Nitrosyl Complex for Light-Activated Therapy through Nitric Oxide Release. Molecular Pharmaceutics, 2008, 5, 389-398.	2.3	59
125	Novel fluorophore based on a multi-substituted olefin skeleton with enhanced three-photon absorption in the femtosecond regime. Chemical Communications, 2008, , 389-391.	2.2	27
126	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. Physical Review A, 2008, 77, .	1.0	10

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127	OPTICAL PHASE-CONJUGATION PROPERTY OF THREE-PHOTON EXCITED BACKWARD STIMULATED EMISSION. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 137-155.	1.1	1
128	Saturation of multiphoton absorption upon strong and ultrafast infrared laser excitation. Journal of Applied Physics, 2007, 101, 083108.	1.1	37
129	Stimulated Rayleigh-Bragg scattering in a three-photon absorbing medium and its phase-conjugation property. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1166.	0.9	7
130	Multi-photon excitation properties of CdSe quantum dots solutions and optical limiting behavior in infrared range. Optics Express, 2007, 15, 12818.	1.7	156
131	Two-Photon Excitation of Fluorogenic Probes for Redox Metabolism:â€‰ Dramatic Enhancement of Optical Contrast Ratio by Two-Photon Excitationâ€. Journal of Physical Chemistry C, 2007, 111, 8872-8877.	1.5	16
132	Water-Dispersible Polymeric Structure Co-encapsulating a Novel Hexa-peri-hexabenzocoronene Core Containing Chromophore with Enhanced Two-Photon Absorption and Magnetic Nanoparticles for Magnetically Guided Two-Photon Cellular Imaging. Journal of Physical Chemistry C, 2007, 111, 16846-16851.	1.5	33
133	Two-photon absorption based optical limiting and stabilization by using a CdTe quantum dot solution excited at optical communication wavelength of â¼1300nm. Applied Physics Letters, 2007, 90, 181108.	1.5	37
134	Degenerate two-/three-photon absorption and optical power-limiting properties in femtosecond regime of a multi-branched chromophore. Journal of Materials Chemistry, 2006, 16, 2490.	6.7	101
135	Asymmetric properties between the forward and backward stimulated emission generated by ultrafast three- and four-photon excitation. Physical Review A, 2006, 73, .	1.0	14
136	Large Cross-Section Enhancement and Intramolecular Energy Transfer upon Multiphoton Absorption of Hindered Diphenylaminofluorene-C60Dyads and Triads. Chemistry of Materials, 2006, 18, 4065-4074.	3.2	48
137	Experimental and Quantum Chemical Studies of Cooperative Enhancement of Three-Photon Absorption, Optical Limiting, and Stabilization Behaviors in Multibranched and Dendritic Structures. Journal of Physical Chemistry B, 2006, 110, 14604-14610.	1.2	23
138	Infrared two-photon-excited visible lasing from a DNA-surfactant-chromophore complex. Optics Letters, 2006, 31, 359.	1.7	46
139	Aggregation-Enhanced Fluorescence and Two-Photon Absorption in Nanoaggregates of a 9,10-Bis[4â€²-(4â€³-aminostyryl)styryl]anthracene Derivative. Advanced Functional Materials, 2006, 16, 2317-2323.	7.8	258
140	Dynamics of cavityless lasing generated by ultrafast multiphoton excitation. Physical Review A, 2006, 74, .	1.0	14
141	Stimulated Rayleigh-Bragg scattering in two-photon absorbing media. Physical Review A, 2005, 71, .	1.0	21
142	DNA-based materials for electro-optic applications: current status. , 2005, 5934, 38.		13
143	Two- and three-photon absorption based optical limiting and stabilization using a liquid dye. IEEE Journal of Quantum Electronics, 2005, 41, 1037-1043.	1.0	23
144	Synthesis, two- and three-photon absorption, and optical limiting properties of fluorene-containing ferrocene derivatives. Journal of Materials Chemistry, 2005, 15, 3488.	6.7	56

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145	Ï€-Conjugated Dendritic Nanosized Chromophore with Enhanced Two-Photon Absorption. Chemistry of Materials, 2005, 17, 6004-6011.	3.2	110
146	Nonlinear optical stabilization of 1064-nm laser pulses with a two-photon absorbing liquid-dye salt system. Applied Optics, 2005, 44, 3560.	2.1	5
147	Two-, three-, and four-photon-pumped stimulated cavityless lasing properties of ten stilbazolium-dyes solutions. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2219.	0.9	40
148	Novel two-photon-absorbing, 1,10-phenanthroline-containing Ï€-conjugated chromophores and their nickel(ii) chelated complexes with quenched emissions. Journal of Materials Chemistry, 2005, 15, 579-587.	6.7	64
149	Infrared Emitting Dye and/or Two Photon Excitable Fluorescent Dye Encapsulated in Biodegradable Polymer Nanoparticles for Bioimaging. Materials Research Society Symposia Proceedings, 2004, 845, 315.	0.1	2
150	One-, two-, and three-photon pumped lasing in a novel liquid dye salt system. IEEE Journal of Quantum Electronics, 2003, 39, 1003-1008.	1.0	27
151	Synthesis and properties of substituted (p-aminostyryl)-1-(3-sulfooxypropyl)pyridinium inner salts as a new class of two-photon pumped lasing dyesElectronic supplementary information (ESI) available: synthesis details for compounds 7b, 7c, 8b and 8c. See http://www.rsc.org/suppdata/jm/b3/b307504d/. Journal of Materials Chemistry, 2003, 13, 2499.	6.7	71
152	Synthesis of C60-diphenylaminofluorene dyad with large 2PA cross-sections and efficient intramolecular two-photon energy transfer. Chemical Communications, 2002, , 1854-1855.	2.2	48
153	Synthesis and Nonlinear Optical Properties ofp-(Dimethylamino)benzylidene Dyes Containing Different Acceptors. Chemistry Letters, 2000, 29, 1426-1427.	0.7	7
154	Scanning tunneling microscope investigation of the currentvoltage characteristics of a newly engineered Π-electron molecule. , 0, , .		0