Zhuo Chen

List of Publications by Year in descending order

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122	5,011	38	66
papers	citations	h-index	g-index
126	126	126	6373
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A new class of luminescent nanoprobes based on main-group Sb3+ emitters. Nano Research, 2022, 15, 179-185.	5.8	19
2	A Magnetocatalytic Propelled Cobalt–Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. CCS Chemistry, 2022, 4, 2382-2395.	4.6	16
3	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. CCS Chemistry, 2022, 4, 2333-2343.	4.6	14
4	Enhancing Dyeâ€Tripletâ€Sensitized Upconversion Emission Through the Heavyâ€Atom Effect in CsLu ₂ F ₇ :Yb/Er Nanoprobes. Angewandte Chemie - International Edition, 2022, 61,.	7.2	24
5	Enhancing Dyeâ€Tripletâ€Sensitized Upconversion Emission Through the Heavyâ€Atom Effect in CsLu ₂ F ₇ :Yb/Er Nanoprobes. Angewandte Chemie, 2022, 134, .	1.6	4
6	Systematic study on the optimization of a bis(<i>N</i> , <i>N</i> ,di>-diethyl)aniline based NLO chromophore <i>via</i> a stronger electron acceptor, extended ï€-conjugation and isolation groups. Journal of Materials Chemistry C, 2022, 10, 3343-3352.	2.7	8
7	A highly selective 2′′- <i>O</i> -glycosyltransferase from <i>Ziziphus jujuba</i> and <i>De novo</i> biosynthesis of isovitexin 2′′- <i>O</i> -glucoside. Chemical Communications, 2022, 58, 2472-2475.	2.2	4
8	Ultrasensitive quantitation of circulating miR-195–5p with triple strand displacement amplification cascade. Talanta, 2022, 242, 123300.	2.9	6
9	Ribociclib Inhibits P-gp-Mediated Multidrug Resistance in Human Epidermoid Carcinoma Cells. Frontiers in Pharmacology, 2022, 13, 867128.	1.6	4
10	Restricting Bond Rotations by Ring Fusion: A Novel Molecular Design Strategy to Improve Photodynamic Antibacterial Efficacy of AIE Photosensitizers. ACS Applied Materials & Samp; Interfaces, 2022, 14, 17055-17064.	4.0	14
11	An intelligent photosensitizer that selectively kills Gram-positive pathogenic cocci while preventing harm to beneficial bacilli. Dyes and Pigments, 2022, 201, 110197.	2.0	4
12	CDK6-PI3K signaling axis is an efficient target for attenuating ABCB1/P-gp mediated multi-drug resistance (MDR) in cancer cells. Molecular Cancer, 2022, 21, 103.	7.9	19
13	A Novel Near-infrared Responsive Lanthanide Upconversion Nanoplatform for Drug Delivery Based on Photocleavage of Cypate [※] . Acta Chimica Sinica, 2022, 80, 423.	0.5	2
14	TiO ₂ nanotubes-MoS ₂ /PDA-LL-37 exhibits efficient anti-bacterial activity and facilitates new bone formation under near-infrared laser irradiation. Biomedical Materials (Bristol), 2022, 17, 045025.	1.7	3
15	Performance Evaluation Method of Rural Forestry Economic Cooperation Organization Based on Intelligent Fuzzy Algorithm. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	0
16	A strategy for enhanced tumor targeting of photodynamic therapy based on Escherichia coli-driven drug delivery system. Science China Materials, 2021, 64, 232-240.	3.5	9
17	One-Step Transformation from Rofecoxib to a COX-2 NIR Probe for Human Cancer Tissue/Organoid Targeted Bioimaging. ACS Applied Bio Materials, 2021, 4, 2723-2731.	2.3	11
18	Mechanisms of thrombosis and research progress on targeted antithrombotic drugs. Drug Discovery Today, 2021, 26, 2282-2302.	3.2	17

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19	A new class of nitrobenzoic acid-based AIE photosensitizers for highly efficient photodynamic antibacterial therapy. Science China Materials, 2021, 64, 2601-2612.	3.5	11
20	De novo biosynthesis of C-arabinosylated flavones by utilization of indica rice C-glycosyltransferases. Bioresources and Bioprocessing, 2021, 8, 49.	2.0	4
21	Synergistic Lysozymeâ€Photodynamic Therapy Against Resistant Bacteria based on an Intelligent Upconversion Nanoplatform. Angewandte Chemie - International Edition, 2021, 60, 19201-19206.	7.2	67
22	Synergistic Lysozymeâ€Photodynamic Therapy Against Resistant Bacteria based on an Intelligent Upconversion Nanoplatform. Angewandte Chemie, 2021, 133, 19350-19355.	1.6	11
23	Effects of hydroxyl radicals produced by a zinc phthalocyanine photosensitizer on tumor DNA. Dyes and Pigments, 2020, 173, 107894.	2.0	10
24	Enhanced Antitumor Efficacy and Imaging Application of Photosensitizer-Formulated Paclitaxel. ACS Applied Materials & Company (1997) and 1997 and 1997 and 1997 are supplied Materials & Company (1997) and 1997 are supplied with the Company (1997	4.0	13
25	A nanometer-sized protease inhibitor for precise cancer diagnosis and treatment. Journal of Materials Chemistry B, 2020, 8, 504-514.	2.9	6
26	Broadband excitable NIR-II luminescent nano-bioprobes based on CuInSe2 quantum dots for the detection of circulating tumor cells. Nano Today, 2020, 35, 100943.	6.2	57
27	Embelin ameliorated sepsis-induced disseminated intravascular coagulation intensities by simultaneously suppressing inflammation and thrombosis. Biomedicine and Pharmacotherapy, 2020, 130, 110528.	2.5	12
28	Specific inhibition of plasminogen activator inhibitor 1 reduces blood glucose level by lowering TNF-a. Life Sciences, 2020, 246, 117404.	2.0	6
29	Organic Dye Nanoparticles with a Special Dâ^π–A Structure for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Bio Materials, 2020, 3, 5722-5729.	2.3	12
30	Suppression of cancer proliferation and metastasis by a versatile nanomedicine integrating photodynamic therapy, photothermal therapy, and enzyme inhibition. Acta Biomaterialia, 2020, 113, 541-553.	4.1	8
31	Pathway-specific enzymes from bamboo and crop leaves biosynthesize anti-nociceptive C-glycosylated flavones. Communications Biology, 2020, 3, 110.	2.0	22
32	Naftifine enhances photodynamic therapy against Staphylococcus aureus by inhibiting staphyloxanthin expression. Dyes and Pigments, 2020, 179, 108392.	2.0	8
33	Recent progress in antitumor functions of the intracellular antibodies. Drug Discovery Today, 2020, 25, 1109-1120.	3.2	9
34	The PI3K subunits, P110 \hat{l}^{\pm} and P110 \hat{l}^{2} are potential targets for overcoming P-gp and BCRP-mediated MDR in cancer. Molecular Cancer, 2020, 19, 10.	7.9	72
35	Plasminogen activator inhibitor (PAI) trap3, an exocellular peptide inhibitor of PAI-1, attenuates the rearrangement of F-actin and migration of cancer cells. Experimental Cell Research, 2020, 391, 111987.	1.2	8
36	Near-infrared-excited upconversion photodynamic therapy of extensively drug-resistant <i>Acinetobacter baumannii</i> based on lanthanide nanoparticles. Nanoscale, 2020, 12, 13948-13957.	2.8	43

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37	Multiplexed intracellular detection based on dual-excitation/dual-emission upconversion nanoprobes. Nano Research, 2020, 13, 1955-1961.	5.8	24
38	Mn2+-activated calcium fluoride nanoprobes for time-resolved photoluminescence biosensing. Science China Materials, 2019, 62, 130-137.	3.5	20
39	A series of photosensitizers with incremental positive electric charges for photodynamic antitumor therapy. RSC Advances, 2019, 9, 24560-24567.	1.7	6
40	Direct Detection of Circulating Tumor Cells in Whole Blood Using Timeâ€Resolved Luminescent Lanthanide Nanoprobes. Angewandte Chemie, 2019, 131, 12323-12327.	1.6	4
41	Direct Detection of Circulating Tumor Cells in Whole Blood Using Timeâ€Resolved Luminescent Lanthanide Nanoprobes. Angewandte Chemie - International Edition, 2019, 58, 12195-12199.	7.2	62
42	Grapheneâ€Oxideâ€Modified Lanthanide Nanoprobes for Tumorâ€Targeted Visible/NIRâ€II Luminescence Imaging Angewandte Chemie - International Edition, 2019, 58, 18981-18986.	7.2	92
43	Grapheneâ€Oxideâ€Modified Lanthanide Nanoprobes for Tumorâ€Targeted Visible/NIRâ€II Luminescence Imaging. Angewandte Chemie, 2019, 131, 19157-19162.	`1. 6	12
44	<p>Tumor-targeting photodynamic therapy based on folate-modified polydopamine nanoparticles</p> . International Journal of Nanomedicine, 2019, Volume 14, 6799-6812.	3.3	32
45	Suppression of Tumor Growth and Metastases by Targeted Intervention in Urokinase Activity with Cyclic Peptides. Journal of Medicinal Chemistry, 2019, 62, 2172-2183.	2.9	12
46	Composite of silver nanoparticles and photosensitizer leads to mutual enhancement of antimicrobial efficacy and promotes wound healing. Chemical Engineering Journal, 2019, 374, 1373-1381.	6.6	61
47	Molecular and structural basis of nucleoside diphosphate kinase–mediated regulation of spore and sclerotia development in the fungus Aspergillus flavus. Journal of Biological Chemistry, 2019, 294, 12415-12431.	1.6	24
48	Novel nonlinear optical push–pull fluorene dyes chromophore as promising materials for telecommunications. Journal of Materials Science: Materials in Electronics, 2019, 30, 12180-12185.	1.1	24
49	Broadband NIR photostimulated luminescence nanoprobes based on CaS:Eu ²⁺ ,Sm ³⁺ nanocrystals. Chemical Science, 2019, 10, 5452-5460.	3.7	65
50	Nanoparticle Binding to Urokinase Receptor on Cancer Cell Surface Triggers Nanoparticle Disintegration and Cargo Release. Theranostics, 2019, 9, 884-899.	4.6	23
51	tPA Point Mutation at Autolysis Loop Enhances Resistance to PAI-1 Inhibition and Catalytic Activity. Thrombosis and Haemostasis, 2019, 119, 077-086.	1.8	8
52	An efficient synergistic cancer therapy by integrating cell cycle inhibitor and photosensitizer into polydopamine nanoparticles. Journal of Materials Chemistry B, 2018, 6, 2620-2629.	2.9	16
53	A novel purification procedure for recombinant human serum albumin expressed in Pichia pastoris. Protein Expression and Purification, 2018, 149, 37-42.	0.6	10
54	Effects of PSII Manganese-Stabilizing Protein Succinylation on Photosynthesis in the Model Cyanobacterium Synechococcus sp. PCC 7002. Plant and Cell Physiology, 2018, 59, 1466-1482.	1.5	8

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55	Smart Photosensitizer: Tumor-Triggered Oncotherapy by Self-Assembly Photodynamic Nanodots. ACS Applied Materials & Diterfaces, 2018, 10, 15369-15380.	4.0	34
56	A novel bichromophore based on julolidine chromophores with enhanced transferring efficiency from hyperpolarizability $\langle i \rangle \hat{l}^2 \langle i \rangle$ to electro-optic activity. Journal of Materials Chemistry C, 2018, 6, 1031-1037.	2.7	20
57	Phthalocyanine-based photosensitizer with tumor-pH-responsive properties for cancer theranostics. Journal of Materials Chemistry B, 2018, 6, 6080-6088.	2.9	20
58	Low-voltage polymer-stabilised blue-phase liquid crystals with oleic acid (OA)-modified LaF ₃ nanoparticles. Liquid Crystals, 2018, 45, 1654-1660.	0.9	16
59	Near-infrared-triggered antibacterial and antifungal photodynamic therapy based on lanthanide-doped upconversion nanoparticles. Nanoscale, 2018, 10, 15485-15495.	2.8	90
60	Household light source for potent photo-dynamic antimicrobial effect and wound healing in an infective animal model. Biomedical Optics Express, 2018, 9, 1006.	1.5	17
61	Dissociation of zinc phthalocyanine aggregation on bacterial surface is key for photodynamic antimicrobial effect. Journal of Porphyrins and Phthalocyanines, 2018, 22, 925-934.	0.4	23
62	Influence of monomer structure on the properties of blue phase liquid crystal. Liquid Crystals, 2018, 45, 1637-1643.	0.9	7
63	Diterpenoid UDP-Glycosyltransferases from Chinese Sweet Tea and Ashitaba Complete the Biosynthesis of Rubusoside. Molecular Plant, 2018, 11, 1308-1311.	3.9	34
64	Dual antimicrobial actions on modified fabric leads to inactivation of drug-resistant bacteria. Dyes and Pigments, 2017, 140, 236-243.	2.0	28
65	Synthesis of novel nonlinear optical chromophores: achieving enhanced electro-optic activity and thermal stability by introducing rigid steric hindrance groups into the julolidine donor. Journal of Materials Chemistry C, 2017, 5, 1675-1684.	2.7	23
66	Rapid killing of bacteria by a new type of photosensitizer. Applied Microbiology and Biotechnology, 2017, 101, 4691-4700.	1.7	39
67	Rechargeable and LED-activated ZnGa ₂ O ₄ : Cr ³⁺ near-infrared persistent luminescence nanoprobes for background-free biodetection. Nanoscale, 2017, 9, 6846-6853.	2.8	128
68	Synthesis and characterization of a novel indoline based nonlinear optical chromophore with excellent electro-optic activity and high thermal stability by modifying the π-conjugated bridges. Journal of Materials Chemistry C, 2017, 5, 5111-5118.	2.7	40
69	Enhancement of electro-optic properties of bis(N,N-diethyl)aniline based second order nonlinear chromophores by introducing a stronger electron acceptor and modifying the π-bridge. Journal of Materials Chemistry C, 2017, 5, 6704-6712.	2.7	29
70	An effective zinc phthalocyanine derivative against multidrug-resistant bacterial infection. Journal of Porphyrins and Phthalocyanines, 2017, 21, 205-210.	0.4	10
71	Lysine Acetylome Analysis Reveals Photosystem II Manganese-stabilizing Protein Acetylation is Involved in Negative Regulation of Oxygen Evolution in Model Cyanobacterium Synechococcus sp. PCC 7002. Molecular and Cellular Proteomics, 2017, 16, 1297-1311.	2.5	26
72	Photodynamic Oncotherapy Mediated by Gonadotropin-Releasing Hormone Receptors. Journal of Medicinal Chemistry, 2017, 60, 8667-8672.	2.9	15

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73	A long-acting PAI-1 inhibitor reduces thrombus formation. Thrombosis and Haemostasis, 2017, 117, 1338-1347.	1.8	22
74	Be Active or Not: the Relative Contribution of Active and Passive Tumor Targeting of Nanomaterials. Nanotheranostics, 2017 , 1 , $346-357$.	2.7	76
75	13 Tumor-specific imaging and photodynamic therapy targeting the urokinase receptor. Series in Cellular and Clinical Imaging, 2017, , 259-274.	0.2	0
76	In vitro upconverting/downshifting luminescent detection of tumor markers based on Eu ³⁺ -activated core–shell–shell lanthanide nanoprobes. Chemical Science, 2016, 7, 5013-5019.	3.7	68
77	Synthesis and characterization of two novel second-order nonlinear optical chromophores based on julolidine donors with excellent electro-optic activity. RSC Advances, 2016, 6, 99743-99751.	1.7	11
78	Global Phosphoproteomic Analysis Reveals the Involvement of Phosphorylation in Aflatoxins Biosynthesis in the Pathogenic Fungus Aspergillus flavus. Scientific Reports, 2016, 6, 34078.	1.6	38
79	Outstanding drug loading capacity by water stable microporous MOF: a potential drug carrier. Chemical Communications, 2016, 52, 3669-3672.	2.2	120
80	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobes for ultrasensitive detection of prostate specific antigen. Chemical Science, 2016, 7, 2572-2578.	3.7	71
81	Photodynamic antimicrobial chemotherapy using zinc phthalocyanine derivatives in treatment of bacterial skin infection. Journal of Biomedical Optics, 2016, 21, 018001.	1.4	24
82	Research of the optimum molar ratio between guest and host chromophores in binary chromophore systems for excellent electro-optic activity. RSC Advances, 2016, 6, 1618-1626.	1.7	2
83	Proteomic analysis of post translational modifications in cyanobacteria. Journal of Proteomics, 2016, 134, 57-64.	1.2	20
84	Multifunctional Nanoâ€Bioprobes Based on Rattleâ€Structured Upconverting Luminescent Nanoparticles. Angewandte Chemie, 2015, 127, 8026-8030.	1.6	14
85	Multifunctional Nanoâ€Bioprobes Based on Rattleâ€Structured Upconverting Luminescent Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 7915-7919.	7.2	145
86	Proteomics studies on stress responses in diatoms. Proteomics, 2015, 15, 3943-3953.	1.3	30
87	Dual actions of albumin packaging and tumor targeting enhance the antitumor efficacy and reduce the cardiotoxicity of doxorubicin in vivo. International Journal of Nanomedicine, 2015, 10, 5327.	3.3	17
88	Phthalocyanine-Biomolecule Conjugated Photosensitizers for Targeted Photodynamic Therapy and Imaging. Current Drug Metabolism, 2015, 16, 816-832.	0.7	30
89	Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobes. Chemical Communications, 2015, 51, 4129-4143.	2.2	85
90	Inorganic lanthanide nanoprobes for background-free luminescent bioassays. Science China Materials, 2015, 58, 156-177.	3.5	50

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91	Quantitative Proteomics Analysis Reveals Novel Insights into Mechanisms of Action of Long Noncoding RNA Hox Transcript Antisense Intergenic RNA (HOTAIR) in HeLa Cells*. Molecular and Cellular Proteomics, 2015, 14, 1447-1463.	2.5	44
92	Integrated Transcriptomic and Proteomic Analysis of the Global Response of Synechococcus to High Light Stress*. Molecular and Cellular Proteomics, 2015, 14, 1038-1053.	2.5	44
93	Synthesis of novel nonlinear optical chromophores: achieving excellent electro-optic activity by introducing benzene derivative isolation groups into the bridge. Journal of Materials Chemistry C, 2015, 3, 11595-11604.	2.7	47
94	Effects of Phosphorylation of Î ² Subunits of Phycocyanins on State Transition in the Model Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Plant and Cell Physiology, 2015, 56, 1997-2013.	1.5	37
95	A drug carrier targeting murine uPAR for photodynamic therapy and tumor imaging. Acta Biomaterialia, 2015, 23, 116-126.	4.1	16
96	Lanthanide-doped luminescent nano-bioprobes for the detection of tumor markers. Nanoscale, 2015, 7, 4274-4290.	2.8	101
97	A Novel Tumor Targeting Drug Carrier for Optical Imaging and Therapy. Theranostics, 2014, 4, 642-659.	4.6	61
98	Proteogenomic analysis and global discovery of posttranslational modifications in prokaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5633-42.	3.3	55
99	Photodynamic antimicrobial chemotherapy using zinc phthalocyanine derivative for bacterial skin infection. Proceedings of SPIE, 2014, , .	0.8	O
100	Methylcrotonyl-CoA Carboxylase Regulates Triacylglycerol Accumulation in the Model Diatom <i>Phaeodactylum tricornutum </i> Å Â Â. Plant Cell, 2014, 26, 1681-1697.	3.1	136
101	An effective zinc phthalocyanine derivative for photodynamic antimicrobial chemotherapy. Journal of Luminescence, 2014, 152, 103-107.	1.5	40
102	Lanthanide-doped upconversion nanoparticles electrostatically coupled with photosensitizers for near-infrared-triggered photodynamic therapy. Nanoscale, 2014, 6, 8274.	2.8	133
103	Lanthanideâ€Doped LiLuF ₄ Upconversion Nanoprobes for the Detection of Disease Biomarkers. Angewandte Chemie - International Edition, 2014, 53, 1252-1257.	7.2	397
104	Zinc phthalocyanine conjugated with the amino-terminal fragment of urokinase for tumor-targeting photodynamic therapy. Acta Biomaterialia, 2014, 10, 4257-4268.	4.1	54
105	Dissolutionâ€Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 12498-12502.	7.2	48
106	Lanthanide-doped NaScF4 nanoprobes: crystal structure, optical spectroscopy and biodetection. Nanoscale, 2013, 5, 6430.	2.8	74
107	Subâ€10â€nm Lanthanideâ€Doped CaF ₂ Nanoprobes for Timeâ€Resolved Luminescent Biodetectic Angewandte Chemie - International Edition, 2013, 52, 6671-6676.	on. 7:2	185
108	Targeting Tumor Cell Invasion and Dissemination <i>In Vivo</i> by an Aptamer That Inhibits Urokinase-type Plasminogen Activator through a Novel Multifunctional Mechanism. Molecular Cancer Research, 2012, 10, 1532-1543.	1.5	15

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109	Amine-Functionalized Lanthanide-Doped Zirconia Nanoparticles: Optical Spectroscopy, Time-Resolved Fluorescence Resonance Energy Transfer Biodetection, and Targeted Imaging. Journal of the American Chemical Society, 2012, 134, 15083-15090.	6.6	221
110	Amine-Functionalized Lanthanide-Doped KGdF ₄ Nanocrystals as Potential Optical/Magnetic Multimodal Bioprobes. Journal of the American Chemical Society, 2012, 134, 1323-1330.	6.6	372
111	Enhanced Photodynamic Efficacy of Zinc Phthalocyanine by Conjugating to Heptalysine. Bioconjugate Chemistry, 2012, 23, 2168-2172.	1.8	45
112	Synthesis and optical properties of a crosslinkable polymer system containing tricyanofuranâ€based chromophores with excellent electroâ€optic activity and thermal stability. Polymer International, 2012, 61, 1376-1381.	1.6	8
113	Receptor-Targeting Phthalocyanine Photosensitizer for Improving Antitumor Photocytotoxicity. PLoS ONE, 2012, 7, e37051.	1.1	32
114	Targeting the autolysis loop of urokinase-type plasminogen activator with conformation-specific monoclonal antibodies. Biochemical Journal, 2011, 438, 39-51.	1.7	14
115	Substituted zinc phthalocyanine as an antimicrobial photosensitizer for periodontitis treatment. Journal of Porphyrins and Phthalocyanines, 2011, 15, 293-299.	0.4	35
116	Structural Basis for Therapeutic Intervention of uPA/uPAR System. Current Drug Targets, 2011, 12, 1729-1743.	1.0	33
117	Multiplexed five-color molecular imaging of cancer cells and tumor tissues with carbon nanotube Raman tags in the near-infrared. Nano Research, 2010, 3, 222-233.	5.8	123
118	Pentalysine βâ€Carbonylphthalocyanine Zinc: An Effective Tumorâ€Targeting Photosensitizer for Photodynamic Therapy. ChemMedChem, 2010, 5, 890-898.	1.6	40
119	Challenges for Drug Discovery - A Case Study of Urokinase Receptor Inhibition. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 961-967.	0.6	11
120	Paroxetine is effective in desensitizing 5-HT1A receptor function in adult offspring exposed prenatally to cocaine. Psychopharmacology, 2005, 180, 316-326.	1.5	5
121	Prenatal cocaine exposure potentiates paroxetine-induced desensitization of 5-HT2A receptor function in adult male rat offspring. Neuropharmacology, 2004, 46, 942-953.	2.0	7
122	Solvatochromic and pH Switch Properties of a D–π–A Dye with benzo[b]thiophene as Donor Moiety. Journal of Molecular and Engineering Materials, 0, , .	0.9	0