

Qiong Zhang

List of Publications by Year in descending order

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106
papers

2,402
citations

172457

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times ranked

2951
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#	ARTICLE	IF	CITATIONS
1	UV-Vis-NIR Full-Range Responsive Carbon Dots with Large Multiphoton Absorption Cross Sections and Deep-Red Fluorescence at Nucleoli and In Vivo. <i>Small</i> , 2020, 16, e2000680.	10.0	143
2	A low dose, highly selective and sensitive colorimetric and fluorescent probe for biothiols and its application in bioimaging. <i>Chemical Communications</i> , 2014, 50, 14002-14005.	4.1	97
3	Substituent Group Variations Directing the Molecular Packing, Electronic Structure, and Aggregation-Induced Emission Property of Isophorone Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 3222-3234.	3.2	86
4	Assembly, Two-Photon Absorption, and Bioimaging of Living Cells of A Cuprous Cluster. <i>Chemistry of Materials</i> , 2012, 24, 954-961.	6.7	65
5	Synthesis, crystal structures and two-photon absorption properties of a series of terpyridine-based chromophores. <i>Dyes and Pigments</i> , 2012, 95, 149-160.	3.7	64
6	A series of triphenylamine-based two-photon absorbing materials with AIE property for biological imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5430-5440.	5.8	60
7	A colorimetric and near-infrared fluorescent probe for biothiols and its application in living cells. <i>RSC Advances</i> , 2014, 4, 46561-46567.	3.6	57
8	Probe for simultaneous membrane and nucleus labeling in living cells and <i>in vivo</i> bioimaging using a two-photon absorption water-soluble Zn(II) terpyridine complex with a reduced π -conjugation system. <i>Chemical Science</i> , 2016, 8, 142-149.	7.4	57
9	Enhanced three-photon activity triggered by the AIE behaviour of a novel terpyridine-based Zn(II) complex bearing a thiophene bridge. <i>Chemical Science</i> , 2019, 10, 7228-7232.	7.4	57
10	Efficient two-photon-sensitized luminescence of a novel europium(III) β -diketonate complex and application in biological imaging. <i>Chemical Communications</i> , 2011, 47, 12467.	4.1	50
11	Four new two-photon absorbing imidazo[4,5-f]1,10-phenanthroline dye derivatives with different dipole moment orientation based on different groups: synthesis, optical characterization and bioimaging. <i>Journal of Materials Chemistry C</i> , 2013, 1, 822-830.	5.5	50
12	Lighting the Way to See Inside Two-Photon Absorption Materials: Structure-Property Relationship and Biological Imaging. <i>Materials</i> , 2017, 10, 223.	2.9	50
13	Synthesis, crystal structures, electrochemical studies and anti-tumor activities of three polynuclear organotin(IV) carboxylates containing ferrocenyl moiety. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3180-3185.	1.8	47
14	A Series of Zn(II) Terpyridine-Based Nitrate Complexes as Two-Photon Fluorescent Probe for Identifying Apoptotic and Living Cells via Subcellular Immigration. <i>Inorganic Chemistry</i> , 2018, 57, 7676-7683.	4.0	47
15	Two-Photon-Active Organotin(IV) Complexes for Antibacterial Function and Superresolution Bacteria Imaging. <i>Inorganic Chemistry</i> , 2018, 57, 6340-6348.	4.0	43
16	Reducing central serotonin in adulthood promotes hippocampal neurogenesis. <i>Scientific Reports</i> , 2016, 6, 20338.	3.3	41
17	A series of water-soluble β -typological indolium derivatives with two-photon properties for rapidly detecting $\text{HSO}_3^-/\text{SO}_3^{2-}$ in living cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3862-3869.	5.8	40
18	Two-Photon Active Organotin(IV) Carboxylate Complexes for Visualization of Anticancer Action. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 836-842.	5.2	40

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19	Visualization of mitochondrial DNA in living cells with super-resolution microscopy using thiophene-based terpyridine Zn(II) complexes. <i>Chemical Communications</i> , 2018, 54, 11288-11291.	4.1	37
20	Synthesis, Crystal Structures, Photophysical Properties, and Bioimaging of Living Cells of Bis- β -Diketonate Phenothiazine Ligands and Its Cyclic Dinuclear Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7997-8006.	4.0	36
21	Structural Induction Effect of a Zwitterion Pyridiniumolate for Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2015, 54, 6169-6175.	4.0	34
22	A series of Zn(II) terpyridine complexes with enhanced two-photon-excited fluorescence for in vitro and in vivo bioimaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7213-7221.	5.8	34
23	Fluorescent metal-organic frameworks based on mixed organic ligands: new candidates for highly sensitive detection of TNP. <i>Dalton Transactions</i> , 2019, 48, 1900-1905.	3.3	33
24	Synthesis of trisubstituted hydroxylamines by a visible light-promoted multicomponent reaction. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5982-5987.	4.5	33
25	Two novel six-coordinated cadmium(II) and zinc(II) complexes from carbazate β -diketonate: crystal structures, enhanced two-photon absorption and biological imaging application. <i>Dalton Transactions</i> , 2014, 43, 599-608.	3.3	32
26	A benzoic acid terpyridine-based cyclometalated iridium(III) complex as a two-photon fluorescence probe for imaging nuclear histidine. <i>Chemical Communications</i> , 2018, 54, 3771-3774.	4.1	32
27	Studies of the isomerization and photophysical properties of a novel 2,2',6'-terpyridine-based ligand and its complexes. <i>Dalton Transactions</i> , 2011, 40, 8170.	3.3	31
28	Thiophene-based terpyridine and its zinc halide complexes: third-order nonlinear optical properties in the near-infrared region. <i>Dalton Transactions</i> , 2015, 44, 1473-1482.	3.3	31
29	Design, synthesis, linear and nonlinear photophysical properties of novel pyrimidine-based imidazole derivatives. <i>New Journal of Chemistry</i> , 2016, 40, 3456-3463.	2.8	31
30	Series of C ^N C Cyclometalated Pt(II) Complexes: Synthesis, Crystal Structures, and Nonlinear Optical Properties in the Near-Infrared Region. <i>Inorganic Chemistry</i> , 2018, 57, 14134-14143.	4.0	30
31	Synthesis, crystal structure, electrochemistry and in situ FTIR spectroelectrochemistry of a bisferrocene pyrazole derivative. <i>Dalton Transactions</i> , 2011, 40, 3510.	3.3	27
32	Organotin(IV) carboxylate complexes containing polyether oxygen chains with two-photon absorption in the near infrared region and their anticancer activity. <i>Dyes and Pigments</i> , 2018, 158, 428-437.	3.7	27
33	Synthesis, two-photon absorption properties and bioimaging applications of mono-, di- and hexa-branched pyrimidine derivatives. <i>Dyes and Pigments</i> , 2014, 102, 263-272.	3.7	26
34	Self-assembly of metal ion induced highly emissive fluorophore-triphenylamine nanostructures: enhanced two-photon action cross-section for bioimaging applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 570-581.	5.5	25
35	A series of terpyridine-based zinc(II) complexes assembled for third-order nonlinear optical responses in the near-infrared region and recognizing lipid membranes. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6348-6355.	5.8	23
36	A synthetic tuber-specific and cold-induced promoter is applicable in controlling potato cold-induced sweetening. <i>Plant Physiology and Biochemistry</i> , 2013, 67, 41-47.	5.8	22

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37	Synthesis, photophysical properties and TD-DFT calculation of four two-photon absorbing triphenylamine derivatives. <i>Science China Chemistry</i> , 2013, 56, 106-116.	8.2	22
38	Synthesis, crystal structures, two-photon absorption and biological imaging application of two novel bent-shaped pyrimidine derivatives. <i>Dyes and Pigments</i> , 2013, 99, 20-28.	3.7	22
39	Mitochondria-targeted iridium (III) complexes as two-photon fluorogenic probes of cysteine/homocysteine. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 408-415.	7.8	22
40	A series of two-photon absorption organotin (IV) cyano carboxylate derivatives for targeting nuclear and visualization of anticancer activities. <i>Journal of Inorganic Biochemistry</i> , 2019, 192, 1-6.	3.5	22
41	Activated Type I and Type II Process for Two-Photon Promoted ROS Generation: The Coordinated Zn Matters. <i>Inorganic Chemistry</i> , 2020, 59, 13671-13678.	4.0	22
42	Highly sensitive and selective detection of biothiols by a new low dose colorimetric and fluorescent probe. <i>RSC Advances</i> , 2015, 5, 62325-62330.	3.6	21
43	A novel water-soluble quinoline-indole derivative as a three-photon fluorescent probe for identifying nucleolus RNA and mitochondrial DNA. <i>Chemical Communications</i> , 2020, 56, 1859-1862.	4.1	20
44	A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy. <i>Advanced Materials</i> , 2020, 32, e2003901.	21.0	20
45	Synthesis, crystal structure and third-order nonlinear optical properties in the near-IR range of a novel stilbazolium dye substituted with flexible polyether chains. <i>Dyes and Pigments</i> , 2013, 97, 278-285.	3.7	19
46	Tunable two-photon absorption near-infrared materials containing different electron-donors and a π -bridge center with applications in bioimaging in live cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5580-5588.	5.5	19
47	Functional Platinum(II) Complexes with Four-Photon Absorption Activity, Lysosome Specificity, and Precise Cancer Therapy. <i>Inorganic Chemistry</i> , 2021, 60, 2362-2371.	4.0	19
48	Photophysical properties of spherical aggregations of CdS nanocrystals capped with a chromophoric surface agent. <i>Dalton Transactions</i> , 2012, 41, 7067.	3.3	18
49	Hydrosoluble two-photon absorbing materials: A series of sulfonated organic inner salts in biological imaging application. <i>Dyes and Pigments</i> , 2014, 102, 79-87.	3.7	18
50	Study of the one-photon and two-photon properties of two water-soluble terpyridines and their zinc complexes. <i>Dalton Transactions</i> , 2015, 44, 8041-8048.	3.3	17
51	Nonlinear optical response and two-photon biological applications of a new family of imidazole-pyrimidine derivatives. <i>Dyes and Pigments</i> , 2016, 126, 286-295.	3.7	17
52	NIR-region two-photon fluorescent probes for Fe ³⁺ /Cu ²⁺ ions based on pyrimidine derivatives with different flexible chain. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 574-578.	7.8	17
53	A series of water-soluble pyridinium derivatives with two-photon absorption in the near infrared region for mitochondria targeting under stimulated emission depletion (STED) nanoscopy. <i>Dyes and Pigments</i> , 2017, 147, 90-98.	3.7	17
54	NF- κ B hijacking theranostic Pt(II) complex in cancer therapy. <i>Theranostics</i> , 2019, 9, 2158-2166.	10.0	17

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55	Regulation of luminescence band and exploration of antibacterial activity of a nanohybrid composed of fluorophore-phenothiazine nanoribbons dispersed with Ag nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5047.	5.5	16
56	Nonlinear optical response and biological applications of a series of pyrimidine-based molecules for copper(ii) ion probe. <i>Dalton Transactions</i> , 2013, 42, 8848.	3.3	16
57	Novel ruthenium (II) polypyridyl complexes containing carbazole with flexible substituents: Crystal structure, nonlinear optical properties and DNA-binding interaction. <i>Dyes and Pigments</i> , 2015, 113, 165-173.	3.7	15
58	Two-photon fluorescent probe with enhanced absorption cross section for relay recognition of Zn ²⁺ /P2O7 ⁴⁻ and in vivo imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 446-451.	3.9	15
59	D-A type phenanthridine derivatives with aggregation-induced enhanced emission and third-order nonlinear optical properties for bioimaging. <i>Dyes and Pigments</i> , 2018, 159, 142-150.	3.7	15
60	Crystal structures, photophysical properties and significantly different two-photon excited fluorescence of the trans- and cis-oligo(phenylene vinylene). <i>RSC Advances</i> , 2014, 4, 2620-2623.	3.6	14
61	Targeting mitochondrial DNA with a two-photon active Ru(ii) phenanthroline derivative. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2895-2902.	5.8	14
62	A terpyridine-based test strip for the detection of Hg ²⁺ in various water samples and drinks. <i>Analytical Methods</i> , 2019, 11, 227-231.	2.7	14
63	Multiphoton Absorption Iridium(III)â€œOrganotin(IV) Dimetal Complex with AIE Behavior for Both Sensitive Detection of Tyrosine and Antibacterial Activity. <i>ACS Applied Bio Materials</i> , 2020, 3, 8105-8112.	4.6	14
64	Identification of fatty liver disease at diverse stages using two-photon absorption of triphenylamine-based BODIPY analogues. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3704-3709.	5.8	13
65	Dual-Functional Analogous <i>cis</i> -Platinum Complex with High Antitumor Activities and Two-Photon Bioimaging. <i>Biochemistry</i> , 2015, 54, 2177-2180.	2.5	12
66	A three-photon probe for highly selective and sensitive detection of Ag ⁺ bearing an AIE fluorophore. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128820.	7.8	12
67	Synthesis, crystal structure, optical properties, DNA-binding and cell imaging of an organic chromophore. <i>Dyes and Pigments</i> , 2012, 92, 689-695.	3.7	11
68	A Series of Imidazole Derivatives: Synthesis, Two-Photon Absorption, and Application for Bioimaging. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	11
69	KO ^t -Promoted C4 Selective Coupling Reaction of Phenols and [60]Fullerene: One-Pot Synthesis of 4-[60]Fullerophenols under Transition-Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2018, 83, 5431-5437.	3.2	11
70	Two novel terpyridine-based chromophores with donor-acceptor structural model containing modified triphenylamine moiety: Synthesis, crystal structures and two-photon absorption properties. <i>Science China Chemistry</i> , 2013, 56, 1315-1324.	8.2	10
71	Halides tuning the subcellular-targeting in two-photon emissive complexes via different uptake mechanisms. <i>Chemical Communications</i> , 2017, 53, 7941-7944.	4.1	10
72	A series of terpyridine derivatives for aggregation-induced emission, two-photon absorption and mitochondrial targeting. <i>Dyes and Pigments</i> , 2018, 158, 225-232.	3.7	10

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73	A combination of super-resolution fluorescence and magnetic resonance imaging using a Mn(II) compound. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2914-2920.	6.0	10
74	A multi-photon fluorescent probe based on quinoline groups for the highly selective and sensitive detection of lipid droplets. <i>Analyst</i> , 2020, 145, 7941-7945.	3.5	10
75	Three-photon absorption iridium(III) photosensitizers featuring aggregation induced emission. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1890-1896.	6.0	10
76	A Self-Assembled Nanohybrid Composed of Fluorophore-Phenylamine Nanorods and Ag Nanocrystals: Energy Transfer, Wavelength Shift of Fluorescence and TPEF Applications for Live-Cell Imaging. <i>Chemistry - A European Journal</i> , 2013, 19, 16625-16633.	3.3	9
77	Small water-soluble pyrimidine hexafluorophosphate derivatives with high two-photon absorption activities in the near-IR region and their biological applications. <i>RSC Advances</i> , 2017, 7, 20068-20075.	3.6	9
78	A series of two-photon absorption pyridinium sulfonate inner salts targeting endoplasmic reticulum (ER), inducing cellular stress and mitochondria-mediated apoptosis in cancer cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1943-1950.	5.8	9
79	Fine Tuning of Multiphoton AIE Emission Behavior, Organelle Targeting, and Fluorescence Lifetime Imaging of Terpyridine Derivatives by Alkyl Chain Engineering. <i>Analytical Chemistry</i> , 2022, 94, 4335-4342.	6.5	9
80	Crystal structure, nonlinear optical and photophysical properties of a novel chromophore constructed with terpyridine, triphenylamine and ethyl cyanocetate functional moieties. <i>Materials Chemistry and Physics</i> , 2013, 140, 200-207.	4.0	7
81	Synthesis, crystal structures, and two-photon absorption of a series of cyanoacetic acid triphenylamine derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 867-878.	3.9	7
82	Intracellular "activated" two-photon photodynamic therapy by fluorescent conveyor and photosensitizer co-encapsulating pH-responsive micelles against breast cancer. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5189-5201.	6.7	7
83	Ultra-bright intercellular lipids pseudo di-BODIPY probe with low molecular weight, high quantum yield and large two-photon action cross-sections. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 161-168.	7.8	7
84	Catalytic properties of a short manganese peroxidase from <i>Irpex lacteus</i> F17 and the role of Glu166 in the Mn ²⁺ -independent activity. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 859-869.	7.5	7
85	A small molecule emitting in the near infrared region with pH sensitivity for visualization mitochondria under super-resolution microscopy. <i>Talanta</i> , 2019, 199, 140-146.	5.5	6
86	Carbon Dots: UV-Vis-NIR Full-Range Responsive Carbon Dots with Large Multiphoton Absorption Cross Sections and Deep-Red Fluorescence at Nucleoli and In Vivo (Small 19/2020). <i>Small</i> , 2020, 16, 2070107.	10.0	6
87	Functional terpyridyl iron complexes for in vivo photoacoustic imaging. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2753-2758.	6.0	6
88	Multi-photon absorption organotin complex for bioimaging and promoting ROS generation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119923.	3.9	6
89	Rational fabrication of a two-photon responsive metal-organic framework for enhanced photodynamic therapy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5234-5239.	6.0	6
90	A multi-photon fluorescence "on-off-on" probe based on organotin (IV) complex for high-sensitive detection of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131423.	7.8	6

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91	Double labelling of intracellular mitochondria and nucleolus using thiophene pyridium salt with high quantum yield as biosensor and its application in stimulated emission depletion nanoscopy. <i>Analytica Chimica Acta</i> , 2018, 1008, 82-89.	5.4	5
92	Chiral crystals based on achiral ligand and their framework dependent luminescent properties. <i>Inorganic Chemistry Communication</i> , 2018, 97, 149-156.	3.9	5
93	Crystal structures, two-photon absorption and theoretical calculation of a series of bis-vinylpyridine compounds synthesized by one-step solid state reaction. <i>Science China Chemistry</i> , 2011, 54, 730-736.	8.2	4
94	Synthesis, crystal structures, one/two-photon optical properties and bioimaging application of two organic molecules with Dâ€‘A and Dâ€‘Iâ€‘A models containing 6-phenyl-2,2â€‘-bipyridine. <i>New Journal of Chemistry</i> , 2018, 42, 3947-3952.	2.8	4
95	An AIE triggered fluorescence probe with three-photon absorption and its biological applications. <i>Talanta</i> , 2021, 234, 122639.	5.5	4
96	Blue-shift of photoluminescence induced by coupling effect of a nanohybrid composed of fluorophoreâ€‘phenothiazine derivative and gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	3
97	Terpyridine Zn(II) Complexes with Azide Units for Visualization of Histone Deacetylation in Living Cells under STED Nanoscopy. <i>ACS Sensors</i> , 2021, 6, 3978-3984.	7.8	3
98	Halogen-modified carbazole derivatives for lipid droplet-specific bioimaging and two-photon photodynamic therapy. <i>Analyst</i> , The, 2021, 147, 66-71.	3.5	3
99	Nucleolar RNA in action: Ultrastructure revealed during protein translation through a terpyridyl manganese(II) complex. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114058.	10.1	3
100	Highly hydrophilic quaternary ammonium salt containing organotin (IV) carboxylate for visualization of antibacterial action and multi-photon absorption activity. <i>Dyes and Pigments</i> , 2022, 200, 110186.	3.7	3
101	Light up Live Cell Nuclear Envelope in Real-Time Using a Two-Photon Absorption and AIE Chromophore. <i>Journal of Fluorescence</i> , 2016, 26, 59-65.	2.5	2
102	Subcellular discriminated distribution under diverse apoptosis phase using a two-photon active probe with indole moiety. <i>Dyes and Pigments</i> , 2021, 184, 108790.	3.7	2
103	Prolongation excitation wavelength of two-photon active photosensitizer for near-infrared light-induced in vitro photodynamic therapy. <i>Journal of Molecular Structure</i> , 2022, 1254, 132030.	3.6	2
104	Self-assembled heterometallic complexes showing enhanced two-photon absorption and their distribution in living cells. <i>New Journal of Chemistry</i> , 2021, 45, 4994-5001.	2.8	1
105	Liveâ€‘Cell Imaging: A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Superâ€‘Resolution Fluorescence and Electron Microscopy (<i>Adv. Mater.</i> 39/2020). <i>Advanced Materials</i> , 2020, 32, 2070296.	21.0	0
106	Crystal structures and aggregation-induced emission of a series of three-photon absorption quinoline derivatives. <i>Journal of Molecular Structure</i> , 2022, 1261, 132964.	3.6	0