Zhiyuan Tian

List of Publications by Year in Descending Order

45 papers	1,470 citations	20 h-index	38 g-index
46 ext. papers	1,666 ext. citations	7.6 avg, IF	4.65 L-index

#	Paper	IF	Citations
45	MOFs-based nanoagent enables dual mitochondrial damage in synergistic antitumor therapy via oxidative stress and calcium overload. *Nature Communications*, **2021**, 12, 6399	17.4	17
44	Near-infrared light-triggered platelet arsenal for combined photothermal-immunotherapy against cancer. *Science Advances*, **2021**, 7,	14.3	20
43	Development of Eu-based metal-organic frameworks (MOFs) for luminescence sensing and entrapping of arsenate ion. *Journal of Luminescence*, **2021**, 236, 118102	3.8	5
42	A long-wavelength turn-on fluorescent probe for intracellular nanomolar level peroxynitrite sensing with second-level response. *Talanta*, **2020**, 219, 121354	6.2	4
41	Correlative dual-alternating-color photoswitching fluorescence imaging and AFM enable ultrastructural analyses of complex structures with nanoscale resolution. *Nanoscale*, **2020**, 12, 17203-17212	7.7	3
40	Single-Chromophore-Based Therapeutic Agent Enables Green-Light-Triggered Chemotherapy and Simultaneous Photodynamic Therapy to Cancer Cells.. *ACS Applied Bio Materials*, **2019**, 2, 3068-3076	4.1	11
39	Development of fluorescent nanoparticles with aggregation-induced delayed fluorescence features, improved brightness and photostability for living cells imaging. *New Journal of Chemistry*, **2019**, 43, 10735-10743	3.6	5
38	A new colorimetric, near-infrared fluorescent probe for rapid detection of palladium with high sensitivity and selectivity. *Talanta*, **2018**, 183, 164-171	6.2	11
37	Cancer Cell Membrane-Biomimetic Nanoprobes with Two-Photon Excitation and Near-Infrared Emission for Intravital Tumor Fluorescence Imaging. *ACS Nano*, **2018**, 12, 1350-1358	16.7	71
36	A Turn-On Fluorescent Probe for Detection of Sub-ppm Levels of a Sulfur Mustard Simulant with High Selectivity. *Analytical Chemistry*, **2018**, 90, 5481-5488	7.8	25
35	A BODIPY-Based Fluorescent Probe for Detection of Subnanomolar Phosgene with Rapid Response and High Selectivity. *ACS Applied Materials & Interfaces*, **2017**, 9, 13920-13927	9.5	62
34	A Colorimetric Fluorescent Probe for SO Derivatives-Bisulfite and Sulfite at Nanomolar Level. *Journal of Fluorescence*, **2017**, 27, 1767-1775	2.4	9
33	Reply to the Comment on "Magnetic-field-enabled resolution enhancement in super-resolution imaging"by Bergmann et al., Physical Chemistry Chemical Physics, 2017, 19, DOI:10.1039/C6CP05108A. *Physical Chemistry Chemical Physics*, **2017**, 19, 4891-4892	3.6	1
32	Beyond a Carrier: Graphene Quantum Dots as a Probe for Programmatically Monitoring Anti-Cancer Drug Delivery, Release, and Response. *ACS Applied Materials & Interfaces*, **2017**, 9, 27396-27401	9.5	70
31	A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. *Talanta*, **2016**, 146, 41-8	6.2	23
30	Systemic localization of seven major types of carbohydrates on cell membranes by dSTORM imaging. *Scientific Reports*, **2016**, 6, 30247	4.9	12
29	Enhanced dSTORM imaging using fluorophores interacting with cucurbituril. *Science China Chemistry*, **2016**, 59, 848-852	7.9	6

28	Mechanistic insights into the distribution of carbohydrate clusters on cell membranes revealed by dSTORM imaging. *Nanoscale*, **2016**, 8, 13611-9	7.7	8
27	Photoswitching Near-Infrared Fluorescence from Polymer Nanoparticles Catapults Signals over the Region of Noises and Interferences for Enhanced Sensitivity. *ACS Applied Materials & Interfaces* , **2016**, 8, 4399-406	9.5	14
26	A Indole-Trizole-Rhodamine Triad as Ratiometric Fluorescent Probe for Nanomolar-Concentration Level Hg(2+) Sensing with High Selectivity. *Journal of Fluorescence*, **2015**, 25, 1259-66	2.4	15
25	Antiphase dual-color correlation in a reactant-product pair imparts ultrasensitivity in reaction-linked double-photoswitching fluorescence imaging. *Journal of the American Chemical Society*, **2015**, 137, 4312-5	16.4	38
24	Surface growth of highly oriented covalent organic framework thin film with enhanced photoresponse speed. *RSC Advances*, **2015**, 5, 92573-92576	3.7	23
23	Photoswitchable fluorescent nanoparticles and their emerging applications. *Nanoscale*, **2015**, 7, 19342-57	7.7	50
22	Conjugated Polymer-Based Hybrid Nanoparticles with Two-Photon Excitation and Near-Infrared Emission Features for Fluorescence Bioimaging within the Biological Window. *ACS Applied Materials & Interfaces*, **2015**, 7, 20640-8	9.5	45
21	Controlling micro-phase separation in semi-crystalline/amorphous conjugated block copolymers. *Polymer Chemistry*, **2014**, 5, 4400-4404	4.9	8
20	Single-fluorophore-based fluorescent probes enable dual-channel detection of Ag+ and Hg□+ with high selectivity and sensitivity. *Analytica Chimica Acta*, **2014**, 839, 74-82	6.6	35
19	Hybrid fluorescent nanoparticles fabricated from pyridine-functionalized polyfluorene-based conjugated polymer as reversible pH probes over a broad range of acidity-alkalinity. *Mikrochimica Acta*, **2014**, 181, 1529-1539	5.8	8
18	A computational investigation into the substituent effect on the chemo- and stereoselectivity of crossed intermolecular radical anion [2 + 2] cycloadditions of enones. *RSC Advances*, **2014**, 4, 63475-63484	3.7	2
17	Al□+-induced far-red fluorescence enhancement of conjugated polymer nanoparticles and its application in live cell imaging. *Nanoscale*, **2013**, 5, 9340-7	7.7	20
16	Photoswitching-enabled novel optical imaging: innovative solutions for real-world challenges in fluorescence detections. *Accounts of Chemical Research*, **2013**, 46, 269-79	24.3	126
15	Development of polymeric nanoprobes with improved lifetime dynamic range and stability for intracellular oxygen sensing. *Small*, **2013**, 9, 2639-48	11	30
14	Conjugated polymer nanoparticles incorporating antifade additives for improved brightness and photostability. *Journal of Physical Chemistry B*, **2013**, 117, 4517-20	3.4	26
13	Tuning Photoswitchable Dual-Color Fluorescence from Core-Shell Polymer Nanoparticles. *Israel Journal of Chemistry*, **2013**, 53, 294-302	3.4	11
12	Development of Nile red-functionalized magnetic silica nanoparticles for cobalt ion sensing and entrapping. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	1
11	Conjugated Polymer Nanoparticles with Ag+-Sensitive Fluorescence Emission: A New Insight into the Cooperative Recognition Mechanism. *Particle and Particle Systems Characterization*, **2013**, 30, 972-980	3.1	16

10	Conjugated Polymers: Conjugated Polymer Nanoparticles with Ag+-Sensitive Fluorescence Emission: A New Insight into the Cooperative Recognition Mechanism (Part. Part. Syst. Charact. 11/2013). *Particle and Particle Systems Characterization*, **2013**, 30, 914-914	3.1	
9	A theoretical study on the stereoconvergency of the intramolecular radical cation [2+2] cycloadditions of bis(styrenes). *RSC Advances*, **2012**, 2, 9932	3.7	6
8	Photoswitching-induced frequency-locked donor-acceptor fluorescence double modulations identify the target analyte in complex environments. *Journal of the American Chemical Society*, **2011**, 133, 16092-100	16.4	36
7	Super-resolution fluorescence nanoscopy applied to imaging core-shell photoswitching nanoparticles and their self-assemblies. *Chemical Communications*, **2011**, 47, 1258-60	5.8	48
6	Amplified energy transfer in conjugated polymer nanoparticle tags and sensors. *Nanoscale*, **2010**, 2, 1999-2011	7.7	175
5	Photoswitchable Nanoprobes for Biological Imaging Applications **2010**, 1-30		
4	Photoswitchable fluorescent nanoparticles: preparation, properties and applications. *ChemPhysChem*, **2009**, 10, 2577-91	3.2	119
3	Single-chromophore-based photoswitchable nanoparticles enable dual-alternating-color fluorescence for unambiguous live cell imaging. *Journal of the American Chemical Society*, **2009**, 131, 4245-52	16.4	110
2	Twisted perylene dyes enable highly fluorescent and photostable nanoparticles. *Chemical Communications*, **2009**, 180-2	5.8	46
1	Photoswitchable nanoparticles enable high-resolution cell imaging: PULSAR microscopy. *Journal of the American Chemical Society*, **2008**, 130, 15279-81	16.4	99