

Zhiyuan Tian

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Amplified energy transfer in conjugated polymer nanoparticle tags and sensors. <i>Nanoscale</i> , 2010 , 2, 1999-2011	7.7	1175
44	Photoswitching-enabled novel optical imaging: innovative solutions for real-world challenges in fluorescence detections. <i>Accounts of Chemical Research</i> , 2013 , 46, 269-79	24.3	126
43	Photoswitchable fluorescent nanoparticles: preparation, properties and applications. <i>ChemPhysChem</i> , 2009 , 10, 2577-91	3.2	119
42	Single-chromophore-based photoswitchable nanoparticles enable dual-alternating-color fluorescence for unambiguous live cell imaging. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4245-52	16.4	110
41	Photoswitchable nanoparticles enable high-resolution cell imaging: PULSAR microscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15279-81	16.4	99
40	Cancer Cell Membrane-Biomimetic Nanoprobes with Two-Photon Excitation and Near-Infrared Emission for Intravital Tumor Fluorescence Imaging. <i>ACS Nano</i> , 2018 , 12, 1350-1358	16.7	71
39	Beyond a Carrier: Graphene Quantum Dots as a Probe for Programmatically Monitoring Anti-Cancer Drug Delivery, Release, and Response. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27396-27401	9.5	70
38	A BODIPY-Based Fluorescent Probe for Detection of Subnanomolar Phosgene with Rapid Response and High Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13920-13927	9.5	62
37	Photoswitchable fluorescent nanoparticles and their emerging applications. <i>Nanoscale</i> , 2015 , 7, 19342-57	7.7	50
36	Super-resolution fluorescence nanoscopy applied to imaging core-shell photoswitching nanoparticles and their self-assemblies. <i>Chemical Communications</i> , 2011 , 47, 1258-60	5.8	48
35	Twisted perylene dyes enable highly fluorescent and photostable nanoparticles. <i>Chemical Communications</i> , 2009 , 180-2	5.8	46
34	Conjugated Polymer-Based Hybrid Nanoparticles with Two-Photon Excitation and Near-Infrared Emission Features for Fluorescence Bioimaging within the Biological Window. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20640-8	9.5	45
33	Antiphase dual-color correlation in a reactant-product pair imparts ultrasensitivity in reaction-linked double-photoswitching fluorescence imaging. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4312-5	16.4	38
32	Photoswitching-induced frequency-locked donor-acceptor fluorescence double modulations identify the target analyte in complex environments. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16092-100	16.4	36
31	Single-fluorophore-based fluorescent probes enable dual-channel detection of Ag ⁺ and Hg ²⁺ with high selectivity and sensitivity. <i>Analytica Chimica Acta</i> , 2014 , 839, 74-82	6.6	35
30	Development of polymeric nanoprobes with improved lifetime dynamic range and stability for intracellular oxygen sensing. <i>Small</i> , 2013 , 9, 2639-48	11	30
29	Conjugated polymer nanoparticles incorporating antifade additives for improved brightness and photostability. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4517-20	3.4	26

28	A Turn-On Fluorescent Probe for Detection of Sub-ppm Levels of a Sulfur Mustard Simulant with High Selectivity. <i>Analytical Chemistry</i> , 2018 , 90, 5481-5488	7.8	25
27	A Flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. <i>Talanta</i> , 2016 , 146, 41-8	6.2	23
26	Surface growth of highly oriented covalent organic framework thin film with enhanced photoresponse speed. <i>RSC Advances</i> , 2015 , 5, 92573-92576	3.7	23
25	Al ³⁺ -induced far-red fluorescence enhancement of conjugated polymer nanoparticles and its application in live cell imaging. <i>Nanoscale</i> , 2013 , 5, 9340-7	7.7	20
24	Near-infrared light-triggered platelet arsenal for combined photothermal-immunotherapy against cancer. <i>Science Advances</i> , 2021 , 7,	14.3	20
23	MOFs-based nanoagent enables dual mitochondrial damage in synergistic antitumor therapy via oxidative stress and calcium overload. <i>Nature Communications</i> , 2021 , 12, 6399	17.4	17
22	Conjugated Polymer Nanoparticles with Ag ⁺ -Sensitive Fluorescence Emission: A New Insight into the Cooperative Recognition Mechanism. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 972-980	3.1	16
21	A Indole-Trizole-Rhodamine Triad as Ratiometric Fluorescent Probe for Nanomolar-Concentration Level Hg(2+) Sensing with High Selectivity. <i>Journal of Fluorescence</i> , 2015 , 25, 1259-66	2.4	15
20	Photoswitching Near-Infrared Fluorescence from Polymer Nanoparticles Catapults Signals over the Region of Noises and Interferences for Enhanced Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4399-406	9.5	14
19	Systemic localization of seven major types of carbohydrates on cell membranes by dSTORM imaging. <i>Scientific Reports</i> , 2016 , 6, 30247	4.9	12
18	Single-Chromophore-Based Therapeutic Agent Enables Green-Light-Triggered Chemotherapy and Simultaneous Photodynamic Therapy to Cancer Cells.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3068-3076	4.1	11
17	A new colorimetric, near-infrared fluorescent probe for rapid detection of palladium with high sensitivity and selectivity. <i>Talanta</i> , 2018 , 183, 164-171	6.2	11
16	Tuning Photoswitchable Dual-Color Fluorescence from Core-Shell Polymer Nanoparticles. <i>Israel Journal of Chemistry</i> , 2013 , 53, 294-302	3.4	11
15	A Colorimetric Fluorescent Probe for SO Derivatives-Bisulfite and Sulfite at Nanomolar Level. <i>Journal of Fluorescence</i> , 2017 , 27, 1767-1775	2.4	9
14	Mechanistic insights into the distribution of carbohydrate clusters on cell membranes revealed by dSTORM imaging. <i>Nanoscale</i> , 2016 , 8, 13611-9	7.7	8
13	Controlling micro-phase separation in semi-crystalline/amorphous conjugated block copolymers. <i>Polymer Chemistry</i> , 2014 , 5, 4400-4404	4.9	8
12	Hybrid fluorescent nanoparticles fabricated from pyridine-functionalized polyfluorene-based conjugated polymer as reversible pH probes over a broad range of acidity-alkalinity. <i>Mikrochimica Acta</i> , 2014 , 181, 1529-1539	5.8	8
11	Enhanced dSTORM imaging using fluorophores interacting with cucurbituril. <i>Science China Chemistry</i> , 2016 , 59, 848-852	7.9	6

10	A theoretical study on the stereoconvergency of the intramolecular radical cation [2+2] cycloadditions of bis(styrenes). <i>RSC Advances</i> , 2012 , 2, 9932	3.7	6
9	Development of fluorescent nanoparticles with aggregation-induced delayed fluorescence features, improved brightness and photostability for living cells imaging. <i>New Journal of Chemistry</i> , 2019 , 43, 10735-10743	3.6	5
8	Development of Eu-based metal-organic frameworks (MOFs) for luminescence sensing and entrapping of arsenate ion. <i>Journal of Luminescence</i> , 2021 , 236, 118102	3.8	5
7	A long-wavelength turn-on fluorescent probe for intracellular nanomolar level peroxynitrite sensing with second-level response. <i>Talanta</i> , 2020 , 219, 121354	6.2	4
6	Correlative dual-alternating-color photoswitching fluorescence imaging and AFM enable ultrastructural analyses of complex structures with nanoscale resolution. <i>Nanoscale</i> , 2020 , 12, 17203-17212	7.7	3
5	A computational investigation into the substituent effect on the chemo- and stereoselectivity of crossed intermolecular radical anion [2 + 2] cycloadditions of enones. <i>RSC Advances</i> , 2014 , 4, 63475-63484	2.7	2
4	Reply to the Comment on "Magnetic-field-enabled resolution enhancement in super-resolution imaging" by Bergmann et al., <i>Physical Chemistry Chemical Physics</i> , 2017, 19, DOI:10.1039/C6CP05108A. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4891-4892	3.6	1
3	Development of Nile red-functionalized magnetic silica nanoparticles for cobalt ion sensing and entrapping. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	1
2	Conjugated Polymers: Conjugated Polymer Nanoparticles with Ag+-Sensitive Fluorescence Emission: A New Insight into the Cooperative Recognition Mechanism (Part. Part. Syst. Charact. 11/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 914-914	3.1	
1	Photoswitchable Nanoprobes for Biological Imaging Applications 2010 , 1-30		