# Qinglong Qiao

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 39 papers | 1,688 citations | 331670 21 h-index | 315739 38 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1521 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Aziridinyl Fluorophores Demonstrate Bright Fluorescence and Superior Photostability by Effectively Inhibiting Twisted Intramolecular Charge Transfer. Journal of the American Chemical Society, 2016, 138, 6960-6963. | 13.7 | 251 |
| 2 | Twisted intramolecular charge transfer (TICT) and twists beyond TICT: from mechanisms to rational designs of bright and sensitive fluorophores. Chemical Society Reviews, 2021, 50, 12656-12678. | 38.1 | 221 |
| 3 | Quantitative Design of Bright Fluorophores and AIEgens by the Accurate Prediction of Twisted Intramolecular Charge Transfer (TICT). Angewandte Chemie - International Edition, 2020, 59, 10160-10172. | 13.8 | 131 |
| 4 | A General Descriptor Î”E Enables the Quantitative Development of Luminescent Materials Based on Photoinduced Electron Transfer. Journal of the American Chemical Society, 2020, 142, 6777-6785. | 13.7 | 115 |
| 5 | RBMS1 regulates lung cancer ferroptosis through translational control of SLC7A11. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 103 |
| 6 | Molecular Mechanism of Viscosity Sensitivity in BODIPY Rotors and Application to Motion-Based Fluorescent Sensors. ACS Sensors, 2020, 5, 731-739. | 7.8 | 80 |
| 7 | A Photoexcitationâ€Induced Twisted Intramolecular Charge Shuttle. Angewandte Chemie - International Edition, 2019, 58, 7073-7077. | 13.8 | 79 |
| 8 | A H-bond strategy to develop acid-resistant photoswitchable rhodamine spirolactams for super-resolution single-molecule localization microscopy. Chemical Science, 2019, 10, 4914-4922. | 7.4 | 72 |
| 9 | Stable Superâ€Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogenâ€Bond Sensitive Fluorogenic Probe. Angewandte Chemie - International Edition, 2021, 60, 25104-25113. | 13.8 | 60 |
| 10 | Descriptor Î”G<sub>Câ€O</sub> Enables the Quantitative Design of Spontaneously Blinking Rhodamines for Liveâ€Cell Superâ€Resolution Imaging. Angewandte Chemie - International Edition, 2020, 59, 20215-20223. | 13.8 | 50 |
| 11 | Quantitative assessment of rhodamine spectra. Chinese Chemical Letters, 2021, 32, 943-946. | 9.0 | 37 |
| 12 | A naphthalimide-based fluorescent sensor for halogenated solvents. Chemical Communications, 2016, 52, 2095-2098. | 4.1 | 36 |
| 13 | Rapid Identification of Bacteria by Membrane-Responsive Aggregation of a Pyrene Derivative. ACS Sensors, 2019, 4, 281-285. | 7.8 | 36 |
| 14 | Quantitative Design of Bright Fluorophores and AIEgens by the Accurate Prediction of Twisted Intramolecular Charge Transfer (TICT). Angewandte Chemie, 2020, 132, 10246-10258. | 2.0 | 36 |
| 15 | The construction of functional protein nanotubes by small molecule-induced self-assembly of cricoid proteins. Chemical Communications, 2016, 52, 4092-4095. | 4.1 | 33 |
| 16 | A TICS-fluorophore based probe for dual-color GSH imaging. Chinese Chemical Letters, 2022, 33, 4943-4947. | 9.0 | 31 |
| 17 | Sensitive profiling of cell surface proteome by using an optimized biotinylation method. Journal of Proteomics, 2019, 196, 33-41. | 2.4 | 28 |
| 18 | An assembly-regulated SNAP-tag fluorogenic probe for long-term super-resolution imaging of mitochondrial dynamics. Biosensors and Bioelectronics, 2021, 176, 112886. | 10.1 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A general strategy to develop cell membrane fluorescent probes with location- and target-specific fluorogenicities: a case of a Zn<sup>2+</sup> probe with cellular selectivity. Chemical Communications, 2019, 55, 15045-15048. | 4.1 | 25 |
| 20 | Fluorescent antibiotics for real-time tracking of pathogenic bacteria. Journal of Pharmaceutical Analysis, 2020, 10, 444-451. | 5.3 | 24 |
| 21 | BODIPY 493 acts as a bright buffering fluorogenic probe for super-resolution imaging of lipid droplet dynamics. Chinese Chemical Letters, 2022, 33, 5042-5046. | 9.0 | 24 |
| 22 | Ground-state conformers enable bright single-fluorophore ratiometric thermometers with positive temperature coefficients. Materials Chemistry Frontiers, 2017, 1, 2383-2390. | 5.9 | 18 |
| 23 | Descriptor Î”G<sub>Câ€O</sub> Enables the Quantitative Design of Spontaneously Blinking Rhodamines for Liveâ€Cell Superâ€Resolution Imaging. Angewandte Chemie, 2020, 132, 20390-20398. | 2.0 | 18 |
| 24 | A turn-on fluorescent probe for hydrogen sulfide and its application in living cells. RSC Advances, 2015, 5, 86355-86358. | 3.6 | 17 |
| 25 | A Photoexcitationâ€Induced Twisted Intramolecular Charge Shuttle. Angewandte Chemie, 2019, 131, 7147-7151. | 2.0 | 17 |
| 26 | Systematic study of synthesizing various heteroatom-substituted rhodamines from diaryl ether analogues. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118466. | 3.9 | 17 |
| 27 | A natural BACE1 and GSK3Î² dual inhibitor Notopterol effectively ameliorates the cognitive deficits in APP/PS1 Alzheimer's mice by attenuating amyloidâ€Î² and tau pathology. Clinical and Translational Medicine, 2020, 10, e50. | 4.0 | 17 |
| 28 | A Descriptor for Accurate Predictions of Host Molecules Enabling Ultralong Roomâ€Temperature Phosphorescence in Guest Emitters. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 17 |
| 29 | Degradation prediction model and stem cell growth of gelatin-PEG composite hydrogel. Journal of Biomedical Materials Research - Part A, 2016, 104, 3149-3156. | 4.0 | 15 |
| 30 | Rapid Enzyme-Mediated Biotinylation for Cell Surface Proteome Profiling. Analytical Chemistry, 2021, 93, 4542-4551. | 6.5 | 11 |
| 31 | Stable Superâ€Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogenâ€Bond Sensitive Fluorogenic Probe. Angewandte Chemie, 2021, 133, 25308-25317. | 2.0 | 9 |
| 32 | Multiple Factors Regulate the Spirocyclization Equilibrium of Si-Rhodamines. Journal of Physical Chemistry B, 2020, 124, 7467-7474. | 2.6 | 8 |
| 33 | A Descriptor for Accurate Predictions of Host Molecules Enabling Ultralong Roomâ€Temperature Phosphorescence in Guest Emitters. Angewandte Chemie, 0, , . | 2.0 | 6 |
| 34 | An Acidâ€Regulated Selfâ€Blinking Fluorescent Probe for Resolving Wholeâ€Cell Lysosomes with Longâ€Term Nanoscopy. Angewandte Chemie, 2022, 134, . | 2.0 | 6 |
| 35 | Molecular origins of the multi-donor strategy in inducing bathochromic shifts and enlarging Stokes shifts of fluorescent proteins. Physical Chemistry Chemical Physics, 2022, 24, 15937-15944. | 2.8 | 5 |
| 36 | Aniline as a TICT rotor to derive methine fluorogens for biomolecules: A curcuminoid-BF2 compound for lighting up HSA/BSA. Chinese Chemical Letters, 2023, 34, 107472. | 9.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Enhancing Brightness and Photostability of Organic Small Molecular Fluorescent Dyes Through Inhibiting Twisted Intramolecular Charge Transfer (TICT)<sup>â€»</sup>. Acta Chimica Sinica, 2022, 80, 553. | 1.4 | 2 |
| 38 | Constructing D-Ï€-A-Ï€ dye to obtain red-emission fluorescent probe for structured illumination microscopy imaging of lipid droplet dynamics. Green Chemical Engineering, 2023, 4, 387-392. | 6.3 | 2 |
| 39 | Multiple fluorescence color transitions mediated by anion-Ï€ interactions and C-F covalent bond formation. Chinese Chemical Letters, 2023, 34, 107519. | 9.0 | 1 |