

# Tianyue Zhang

## List of Publications by Year in descending order

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13  
papers

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442  
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#	ARTICLE	IF	CITATIONS
1	Cylindrical vector beam revealing multipolar nonlinear scattering for superlocalization of silicon nanostructures. <i>Photonics Research</i> , 2021, 9, 950.	7.0	7
2	Mie-enhanced photothermal/thermo-optical nonlinearity and applications on all-optical switch and super-resolution imaging [Invited]. <i>Optical Materials Express</i> , 2021, 11, 3608.	3.0	13
3	Anapole mediated giant photothermal nonlinearity in nanostructured silicon. <i>Nature Communications</i> , 2020, 11, 3027.	12.8	69
4	Subwavelength Silicon Nanoblocks for Directional Emission Manipulation. <i>Nanomaterials</i> , 2020, 10, 1242.	4.1	5
5	Unidirectional Enhanced Dipolar Emission with an Individual Dielectric Nanoantenna. <i>Nanomaterials</i> , 2019, 9, 629.	4.1	14
6	Invited Article: Saturation scattering competition for non-fluorescence single-wavelength super-resolution imaging. <i>APL Photonics</i> , 2018, 3, .	5.7	6
7	Plasmonic Nanoprobes for Multiplexed Fluorescence-Free Super-Resolution Imaging. <i>Advanced Optical Materials</i> , 2018, 6, 1800432.	7.3	10
8	Plasmonic-enhanced two-photon fluorescence with single gold nanoshell. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1038-1045.	5.1	4
9	Enhanced Single-Molecule Spontaneous Emission in an Optimized Nanoantenna with Plasmonic Gratings. <i>Plasmonics</i> , 2013, 8, 869-875.	3.4	7
10	Enhancing molecule fluorescence with asymmetrical plasmonic antennas. <i>Nanoscale</i> , 2013, 5, 6545.	5.6	24
11	Strong two-photon fluorescence enhanced jointly by dipolar and quadrupolar modes of a single plasmonic nanostructure. <i>Applied Physics Letters</i> , 2012, 101, 051109.	3.3	15
12	Optimally Designed Nanoshell and Matryoshka-Nanoshell as a Plasmonic-Enhanced Fluorescence Probe. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8804-8812.	3.1	41
13	Single-Molecule Spontaneous Emission in the Vicinity of an Individual Gold Nanorod. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15822-15828.	3.1	74