Frank Wackenhut

List of Publications by Year
in descending order

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25 papers	300 citations	1040056 9 h-index	888059 17 g-index
26 all docs	26 docs citations	26 times ranked	394 citing authors

#	Article	IF	Citations
1	Monitoring tautomerization of single hypericin molecules in a tunable optical Î»/2 microcavity. Journal of Chemical Physics, 2022, 156, 014203.	3.0	1
2	Accumulation and penetration behavior of hypericin in glioma tumor spheroids studied by fluorescence microscopy and confocal fluorescence lifetime imaging microscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 4849-4860.	3.7	7
3	Scouting for strong lightâ€“matter coupling signatures in Raman spectra. Physical Chemistry Chemical Physics, 2021, 23, 16837-16846.	2.8	14
4	Periodic Fluorescence Variations of CdSe Quantum Dots Coupled to Aryleneethynylenes with Aggregation-Induced Emission. ACS Nano, 2021, 15, 480-488.	14.6	4
5	Direct Observation of Structural Heterogeneity and Tautomerization of Single Hypericin Molecules. Journal of Physical Chemistry Letters, 2021, 12, 1025-1031.	4.6	4
6	Sensitive Interferometric Plasmon Ruler Based on a Single Nanodimer. Journal of Physical Chemistry C, 2021, 125, 6486-6493.	3.1	10
7	Theoretical and Experimental Evidence of Twoâ€Step Tautomerization in Hypericin. Advanced Photonics Research, 2021, 2, 2000170.	3.6	3
8	Combining Optical Strong Mode Coupling with Polaritonic Coupling in a Î»/2 Fabryâ€“PÃ©rot Microresonator. Journal of Physical Chemistry C, 2021, 125, 13024-13032.	3.1	3
9	Tailoring Tautomerization of Single Phthalocyanine Molecules through Modification of Chromophore Photophysics by the Purcell Effect of an Optical Microcavity. Journal of Physical Chemistry C, 2021, 125, 14932-14939.	3.1	3
10	Strong coupling between an optical microcavity and photosystems in single living cyanobacteria. Journal of Biophotonics, 2021, , e202100136.	2.3	3
11	Revealing the Three-Dimensional Orientation and Interplay between Plasmons and Interband Transitions for Single Gold Bipyramids by Photoluminescence Excitation Pattern Imaging. Journal of Physical Chemistry C, 2021, 125, 26978-26985.	3.1	3
12	Nanoscale plasmonic phase sensor. Analytical and Bioanalytical Chemistry, 2020, 412, 3405-3411.	3.7	4
13	Direct phase mapping of the light scattered by single plasmonic nanoparticles. Nanoscale, 2020, 12, 1083-1090.	5.6	7
14	Multimode Vibrational Strong Coupling of Methyl Salicylate to a Fabryâ€“PÃ©rot Microcavity. Journal of Physical Chemistry B, 2020, 124, 5709-5716.	2.6	19
15	Hypericin: Single Molecule Spectroscopy of an Active Natural Drug. Journal of Physical Chemistry A, 2020, 124, 2497-2504.	2.5	18
16	Tunable strong coupling of two adjacent optical Î»/2 Fabry-PÃ©rot microresonators. Optics Express, 2020, 28, 485.	3.4	9
17	Simultaneous positive and negative optical patterning with dye-sensitized CdSe quantum dots. Journal of Chemical Physics, 2019, 151, 141102.	3.0	4
18	Nature of Large Temporal Fluctuations of Hydrogen Transfer Rates in Single Molecules. Journal of Physical Chemistry Letters, 2018, 9, 1211-1215.	4.6	20

#	Article	IF	Citations
19	Two-photon luminescence contrast by tip-sample coupling in femtosecond near-field optical microscopy. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	3
20	Powerâ€•and polarization dependence of two photon luminescence of single CdSe nanowires with tightly focused cylindrical vector beams of ultrashort laser pulses. Laser and Photonics Reviews, 2016, 10, 835-842.	8.7	16
21	Single gold nanorods as optical probes for spectral imaging. Analytical and Bioanalytical Chemistry, 2015, 407, 4029-4034.	3.7	1
22	Enhanced single-molecule spectroscopy in highly confined optical fields: from Î»/2-Fabryâ€“PÃ©rot resonators to plasmonic nano-antennas. Chemical Society Reviews, 2014, 43, 1263-1286.	38.1	34
23	Multicolor Microscopy and Spectroscopy Reveals the Physics of the One-Photon Luminescence in Gold Nanorods. Journal of Physical Chemistry C, 2013, 117, 17870-17877.	3.1	63
24	Sensing dielectric media on the nanoscale with freely oriented gold nanorods. Physical Chemistry Chemical Physics, 2013, 15, 5407.	2.8	4
25	Three-dimensional photoluminescence mapping and emission anisotropy of single gold nanorods. Applied Physics Letters, 2012, 100, 263102.	3.3	42