

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	Multicolor Microscopy and Spectroscopy Reveals the Physics of the One-Photon Luminescence in Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17870-17877.	3.1	63
2	Three-dimensional photoluminescence mapping and emission anisotropy of single gold nanorods. <i>Applied Physics Letters</i> , 2012, 100, 263102.	3.3	42
3	Enhanced single-molecule spectroscopy in highly confined optical fields: from $\lambda/2$ -Fabry-Pérot resonators to plasmonic nano-antennas. <i>Chemical Society Reviews</i> , 2014, 43, 1263-1286.	38.1	34
4	Nature of Large Temporal Fluctuations of Hydrogen Transfer Rates in Single Molecules. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1211-1215.	4.6	20
5	Multimode Vibrational Strong Coupling of Methyl Salicylate to a Fabry-Pérot Microcavity. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5709-5716.	2.6	19
6	Hypericin: Single Molecule Spectroscopy of an Active Natural Drug. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2497-2504.	2.5	18
7	Power- and polarization dependence of two photon luminescence of single CdSe nanowires with tightly focused cylindrical vector beams of ultrashort laser pulses. <i>Laser and Photonics Reviews</i> , 2016, 10, 835-842.	8.7	16
8	Scouting for strong light-matter coupling signatures in Raman spectra. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16837-16846.	2.8	14
9	Sensitive Interferometric Plasmon Ruler Based on a Single Nanodimer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6486-6493.	3.1	10
10	Tunable strong coupling of two adjacent optical $\lambda/2$ Fabry-Pérot microresonators. <i>Optics Express</i> , 2020, 28, 485.	3.4	9
11	Direct phase mapping of the light scattered by single plasmonic nanoparticles. <i>Nanoscale</i> , 2020, 12, 1083-1090.	5.6	7
12	Accumulation and penetration behavior of hypericin in glioma tumor spheroids studied by fluorescence microscopy and confocal fluorescence lifetime imaging microscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4849-4860.	3.7	7
13	Sensing dielectric media on the nanoscale with freely oriented gold nanorods. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5407.	2.8	4
14	Simultaneous positive and negative optical patterning with dye-sensitized CdSe quantum dots. <i>Journal of Chemical Physics</i> , 2019, 151, 141102.	3.0	4
15	Nanoscale plasmonic phase sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3405-3411.	3.7	4
16	Periodic Fluorescence Variations of CdSe Quantum Dots Coupled to Aryleneethynyls with Aggregation-Induced Emission. <i>ACS Nano</i> , 2021, 15, 480-488.	14.6	4
17	Direct Observation of Structural Heterogeneity and Tautomerization of Single Hypericin Molecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1025-1031.	4.6	4
18	Two-photon luminescence contrast by tip-sample coupling in femtosecond near-field optical microscopy. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	3

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19	Theoretical and Experimental Evidence of Two-Step Tautomerization in Hypericin. <i>Advanced Photonics Research</i> , 2021, 2, 2000170.	3.6	3
20	Combining Optical Strong Mode Coupling with Polaritonic Coupling in a $\lambda/2$ Fabry-Pérot Microresonator. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13024-13032.	3.1	3
21	Tailoring Tautomerization of Single Phthalocyanine Molecules through Modification of Chromophore Photophysics by the Purcell Effect of an Optical Microcavity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14932-14939.	3.1	3
22	Strong coupling between an optical microcavity and photosystems in single living cyanobacteria. <i>Journal of Biophotonics</i> , 2021, , e202100136.	2.3	3
23	Revealing the Three-Dimensional Orientation and Interplay between Plasmons and Interband Transitions for Single Gold Bipyramids by Photoluminescence Excitation Pattern Imaging. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26978-26985.	3.1	3
24	Single gold nanorods as optical probes for spectral imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4029-4034.	3.7	1
25	Monitoring tautomerization of single hypericin molecules in a tunable optical $\lambda/2$ microcavity. <i>Journal of Chemical Physics</i> , 2022, 156, 014203.	3.0	1