

Camilla Ferrante

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4726817/publications.pdf>

Version: 2024-02-01

68
papers

2,439
citations

201674

27
h-index

197818

49
g-index

71
all docs

71
docs citations

71
times ranked

3244
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-gated fluorescence signalling under dissipative conditions. <i>Chemical Communications</i> , 2020, 56, 13979-13982.	4.1	12
2	Nucleotide-Selective Templated Self-Assembly of Nanoreactors under Dissipative Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22223-22229.	13.8	21
3	The Elusive Nature of Carbon Nanodot Fluorescence: An Unconventional Perspective. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22314-22320.	3.1	31
4	Nucleotide-Selective Templated Self-Assembly of Nanoreactors under Dissipative Conditions. <i>Angewandte Chemie</i> , 2020, 132, 22407-22413.	2.0	7
5	mCerulean3-Based Cameleon Sensor to Explore Mitochondrial Ca ²⁺ Dynamics In Vivo. <i>IScience</i> , 2019, 16, 340-355.	4.1	15
6	Highly Charged Ruthenium(II) Polypyridyl Complexes as Effective Photosensitizer in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2019, 25, 10606-10615.	3.3	39
7	Systems biology identifies preserved integrity but impaired metabolism of mitochondria due to a glycolytic defect in Alzheimer's disease neurons. <i>Aging Cell</i> , 2019, 18, e12924.	6.7	46
8	Stepwise Hierarchical Self-Assembly of Supramolecular Amphiphiles into Higher-Order Three-Dimensional Nanostructures. <i>ChemNanoMat</i> , 2018, 4, 821-830.	2.8	6
9	Engineering interactions in QDs-PCBM blends: a surface chemistry approach. <i>Nanoscale</i> , 2018, 10, 11913-11922.	5.6	13
10	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2236-2242.	4.6	111
11	Temporal Control over Transient Chemical Systems using Structurally Diverse Chemical Fuels. <i>Chemistry - A European Journal</i> , 2017, 23, 11549-11559.	3.3	33
12	Influence of shear stress and size on viability of endothelial cells exposed to gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 316.	1.9	25
13	An optofluidic light detector based on the photoacoustic effect. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 71-75.	7.8	2
14	Dissipative self-assembly of vesicular nanoreactors. <i>Nature Chemistry</i> , 2016, 8, 725-731.	13.6	355
15	Boosting carbon quantum dots/fullerene electron transfer via surface group engineering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31286-31295.	2.8	31
16	Dynamic Antifouling of Catalytic Pores Armed with Oxygenic Polyoxometalates. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500034.	3.7	11
17	FLIM-FRET analysis using Ca ²⁺ sensors in HeLa cells. , 2015, ,		0
18	Two-photon absorption properties and $^{1}O_2$ generation ability of Ir complexes: an unexpected large cross section of [Ir(CO) ₂ Cl(4-(para-di-n-butylaminostyryl)pyridine)]. <i>Dalton Transactions</i> , 2015, 44, 15712-15720.	3.3	21

#	ARTICLE	IF	CITATIONS
19	BSA adsorption on gold nanoparticles investigated under static and flow conditions. , 2015, , .		1
20	Evaluation of gold nanoparticles toxicity towards human endothelial cells under static and flow conditions. <i>Microvascular Research</i> , 2015, 97, 147-155.	2.5	64
21	Lifetime Shortening and Fast Energy Transfer Processes upon Dimerization of a $\text{Aa}^{\text{Ca}}\text{D}^{\text{Ca}}\text{A}$ Molecule. <i>ChemPhysChem</i> , 2014, 15, 310-319.	2.1	0
22	Two-Photon Fluorescence Correlation Spectroscopy of Gold Nanoparticles under Stationary and Flow Conditions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24081-24090.	3.1	11
23	A microfluidic optical beam steerer. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 47-53.	2.2	4
24	Photophysics and Dynamics of Surface Plasmon Polaritons-Mediated Energy Transfer in the Presence of an Applied Electric Field. <i>Journal of the American Chemical Society</i> , 2012, 134, 10061-10070.	13.7	13
25	Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11099.	2.8	39
26	Multipolar symmetric squaraines with large two-photon absorption cross-sections in the NIR region. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12087.	2.8	26
27	Time correlated fluorescence characterization of an asymmetrically focused flow in a microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 551-561.	2.2	10
28	Strategy for the improvement of mixing in microdevices. <i>Houille Blanche</i> , 2011, 97, 79-85.	0.3	0
29	A fullerene- π -distyrylbenzene photosensitizer for two-photon promoted singlet oxygen production. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4656.	2.8	10
30	Interpretation of the emission fluorescence spectra of two fluoroionophores: DMABN-Crown4 and DMABN-Crown5. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 368-375.	2.0	1
31	Dimers of Quadrupolar Chromophores in Solution: Electrostatic Interactions and Optical Spectra. <i>Journal of Physical Chemistry B</i> , 2010, 114, 882-893.	2.6	22
32	Two-photon absorption properties of Zn(II) complexes: Unexpected large TPA cross section of dipolar $[\text{ZnY}_2(4,4\text{-bis}(\text{para-di-n-butylaminostyryl})\text{-}2,2\text{-bipyridine})]$ ($\text{Y}=\text{Cl}, \text{CF}_3\text{CO}_2$). <i>Chemical Physics Letters</i> , 2009, 2.6 475, 245-249.		21
33	The polarizability in solution of tetra-phenyl-porphyrin derivatives in their excited electronic states: a PCM/TD-DFT study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4664.	2.8	61
34	Enhancing the efficiency of two-photon absorption by metal coordination. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9450.	2.8	28
35	Large two photon absorption cross section of asymmetric Zn(II) porphyrin complexes substituted in the meso or β^2 pyrrolic position by $\text{C}_6\text{H}_4\text{X}$ moieties ($\text{X}=\text{NMe}_2, \text{NO}_2$). <i>Chemical Physics Letters</i> , 2008, 454, 70-74.	2.6	24
36	An integrated approach for the interpretation of emission fluorescence of DMABN-Crown derivatives in polar environments. <i>Chemical Physics Letters</i> , 2008, 467, 204-209.	2.6	2

#	ARTICLE	IF	CITATIONS
37	Effective Two-Photon Absorption Cross Section of Heteroaromatic Quadrupolar Dyes: Dependence on Measurement Technique and Laser Pulse Characteristics. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4224-4234.	2.5	41
38	Integrated Approach for Modeling the Emission Fluorescence of 4-(<i>N,N</i> -Dimethylamino)benzotrile in Polar Environments. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8106-8113.	2.6	15
39	Assessment of Water-Soluble π -Extended Squaraines as One- and Two-Photon Singlet Oxygen Photosensitizers: Design, Synthesis, and Characterization. <i>Journal of the American Chemical Society</i> , 2008, 130, 1894-1902.	13.7	152
40	Indolic Squaraines as Two-Photon Absorbing Dyes in the Visible Region: X-ray Structure, Electrochemical, and Nonlinear Optical Characterization. <i>Chemistry of Materials</i> , 2008, 20, 3242-3244.	6.7	56
41	One- and two-photon absorption and emission properties of heteroaromatic bichromophores. , 2008, , .		1
42	Two-photon absorption of Zn(ii) octupolar molecules. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2999.	2.8	28
43	Influence of Excitonic Interactions on the Transient Absorption and Two-Photon Absorption Spectra of Porphyrin J-Aggregates in the NIR Region. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18636-18645.	3.1	42
44	Enhancement of Two-Photon Absorption Cross-Section and Singlet-Oxygen Generation in Porphyrins upon β -Functionalization with Donor-Acceptor Substituents. <i>Organic Letters</i> , 2006, 8, 2719-2722.	4.6	71
45	Large third-order nonlinear optical response of porphyrin J-aggregates oriented in self-assembled thin films. <i>Journal of Materials Chemistry</i> , 2006, 16, 1573.	6.7	63
46	One- and Two-Photon Absorption and Emission Properties of a Zn(II) Chemosensor. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6459-6464.	2.5	29
47	Strong Enhancement of the Two-Photon Absorption of Tetrakis(4-sulfonatophenyl)porphyrin Diacid in Water upon Aggregation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2-5.	2.6	122
48	Strong Enhancement of the Two Photon Absorption Cross Section of Porphyrin J-Aggregates in water. <i>Materials Research Society Symposia Proceedings</i> , 2004, 846, DD2.7.1.	0.1	0
49	Novel Heteroaromatic-Based Multi-Branched Dyes with Enhanced Two-Photon Absorption Activity. <i>ChemInform</i> , 2003, 34, no.	0.0	0
50	Influence of Confinement on the Solvation and Rotational Dynamics of Coumarin 153 in Ethanol. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2422-2430.	2.5	47
51	Design and synthesis of heterocyclic multi-branched dyes for two-photon absorption. <i>Synthetic Metals</i> , 2003, 139, 795-797.	3.9	22
52	Novel heteroaromatic-based multi-branched dyes with enhanced two-photon absorption activity Electronic supplementary information (ESI) available: Experimental section. See http://www.rsc.org/suppdata/cc/b3/b305995b/ . <i>Chemical Communications</i> , 2003, , 2144.	4.1	122
53	Excited state absorption of fullerenes measured by the photoacoustic calorimetry technique Dedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 801.	2.9	10
54	Optical limiting based on multiphoton processes in carbon nanostructures and heterocyclic quadrupolar molecules. , 2003, , .		4

#	ARTICLE	IF	CITATIONS
55	Novel Heterocycle-Based Two-Photon Absorbing Dyes. <i>Organic Letters</i> , 2002, 4, 1495-1498.	4.6	195
56	Temperature Dependence of Solvation Dynamics in Alkylcyanobiphenyls. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5734-5742.	2.5	8
57	Solvation dynamics of nile blue in ethanol confined in porous sol-gel glasses. <i>Journal of Chemical Physics</i> , 2001, 114, 5781-5791.	3.0	46
58	Characteristics of Solvation Dynamics of Rhodamine 700 in Cyanobiphenyls. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 331, 155-163.	0.3	0
59	Solvation Dynamics of Rhodamine 700 in the Nematogenic Liquid Octylcyanobiphenyl. <i>Journal of Physical Chemistry B</i> , 1999, 103, 931-937.	2.6	9
60	Photon echo experiments on $3\text{-diethylthiacarbocyanine}$ in glass-forming liquids with ultrafast laser pulses. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1998, 20, 175-189.	0.4	0
61	Electronic dephasing in nonpolar room temperature liquids: UV photon echo pulse duration dependent measurements. <i>Journal of Chemical Physics</i> , 1997, 106, 7498-7511.	3.0	32
62	Vibrational anharmonicity and multilevel vibrational dephasing from vibrational echo beats. <i>Journal of Chemical Physics</i> , 1997, 106, 10027-10036.	3.0	85
63	Vibrational echo studies of pure dephasing: Mechanisms in liquids and glasses. <i>Chemical Physics Letters</i> , 1997, 276, 217-223.	2.6	13
64	Does diphenylacetylene (tolan) fluoresce from its second excited singlet state? Semiempirical MO calculations and fluorescence quantum yield measurements. <i>The Journal of Physical Chemistry</i> , 1993, 97, 13457-13463.	2.9	97
65	Multiresonance FWM as a probe of spectral broadening mechanisms: influence of excited state dynamics on resonance CARS processes. <i>Journal of Luminescence</i> , 1992, 53, 537-540.	3.1	0
66	Resonance CARS of conjugated molecules in condensed phase. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1992, 14, 1015-1022.	0.4	1
67	Multiresonance CARS spectra of quinizarin in chloroform solution. <i>Journal of Chemical Sciences</i> , 1991, 103, 383-387.	1.5	0
68	Multiresonance CARS spectra and excitation profiles of dye molecules in liquid solutions: 1,4-dihydroxy-anthraquinone in chloroform. <i>Chemical Physics Letters</i> , 1990, 175, 156-162.	2.6	6