

Cristina Sissa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

695
citations

15
h-index

25
g-index

49
ext. papers

864
ext. citations

6.1
avg, IF

3.96
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 42 | Thermally activated delayed fluorescence: A critical assessment of environmental effects on the singlet-triplet energy gap. <i>Journal of Chemical Physics</i> , 2021 , 154, 134112 | 3.9 | 4 |
| 41 | Understanding TADF: a joint experimental and theoretical study of DMAC-TRZ. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 378-387 | 3.6 | 9 |
| 40 | Increasing resonance energy transfer upon dilution: a counterintuitive observation in CTAB micelles. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10952-10964 | 7.1 | 0 |
| 39 | Crystal structures and photoluminescence properties of chromium(III) complexes with 2-thenoyltrifluoroacetone ligand. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131023 | 3.4 | 0 |
| 38 | Emergent chiroptical properties in supramolecular and plasmonic assemblies. <i>Chemical Society Reviews</i> , 2021 , 50, 11208-11226 | 58.5 | 3 |
| 37 | Supramolecular chirality: a caveat in assigning the handedness of chiral aggregates. <i>Chemical Communications</i> , 2020 , 56, 8281-8284 | 5.8 | 21 |
| 36 | Antiadiabatic View of Fast Environmental Effects on Optical Spectra. <i>Physical Review Letters</i> , 2020 , 124, 107401 | 7.4 | 5 |
| 35 | Dye-Loaded Quatsomes Exhibiting FRET as Nanoprobes for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20253-20262 | 9.5 | 11 |
| 34 | Optical spectra of organic dyes in condensed phases: the role of the medium polarizability. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25483-25491 | 3.6 | 4 |
| 33 | Understanding Faster Energy Transfer through the Lens of Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 7281-7288 | 6.4 | 3 |
| 32 | A calixarene-based fluorescent ratiometric temperature probe. <i>Chemical Communications</i> , 2019 , 55, 8098-8101 | 9.8 | 9 |
| 31 | Investigation of electronic energy transfer in a BODIPY-decorated calix[4]arene. <i>Dyes and Pigments</i> , 2019 , 171, 107652 | 4.6 | 6 |
| 30 | Chiral Plasmons: Au Nanoparticle Assemblies on Thermoresponsive Organic Templates. <i>ACS Nano</i> , 2019 , 13, 4392-4401 | 16.7 | 19 |
| 29 | About the origin of the large Stokes shift in aminoalkyl substituted heptamethine cyanine dyes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 22, 129-135 | 3.6 | 17 |
| 28 | Nanostructuring Lipophilic Dyes in Water Using Stable Vesicles, Quatsomes, as Scaffolds and Their Use as Probes for Bioimaging. <i>Small</i> , 2018 , 14, e1703851 | 11 | 15 |
| 27 | Electronic Nature of Nonlinear Optical Properties of a Symmetrical Two-Photon Absorbing Fluorene Derivative: Experimental Study and Theoretical Modeling. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5664-5672 | 3.8 | 8 |
| 26 | Systematic Molecular Engineering of a Series of Aniline-Based Squaraine Dyes and Their Structure-Related Properties. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3994-4008 | 3.8 | 15 |

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|----|--|------|----|
| 25 | Emergence of Chiroptical Properties in Molecular Assemblies of Phenyleneethynylenes: The Role of Quasi-degenerate Excitations. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4584-4590 | 6.4 | 5 |
| 24 | Superlinear amplification of the first hyperpolarizability of linear aggregates of DANS molecules. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24979-24984 | 3.6 | 10 |
| 23 | Aggregates of quadrupolar dyes for two-photon absorption: the role of intermolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 28198-28208 | 3.6 | 40 |
| 22 | Combining intra- and intermolecular charge-transfer: a new strategy towards molecular ferromagnets and multiferroics. <i>Scientific Reports</i> , 2016 , 6, 19682 | 4.9 | 5 |
| 21 | Excitation Dynamics in Hetero-bichromophoric Calixarene Systems. <i>ChemPhysChem</i> , 2016 , 17, 1686-706 | 3.2 | 10 |
| 20 | Ultrafast spectroscopy, superluminescence and theoretical modeling of a two-photon absorbing fluorene derivative. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 12839-46 | 3.6 | 9 |
| 19 | Vibrational coherences in charge-transfer dyes: a non-adiabatic picture. <i>Journal of Chemical Physics</i> , 2014 , 141, 164317 | 3.9 | 9 |
| 18 | Tuning the nature of the fluorescent state: a substituted polycondensed dye as a case study. <i>Chemistry - A European Journal</i> , 2013 , 19, 924-35 | 4.8 | 16 |
| 17 | Intimately bound coumarin and bis(alkylaminostyryl)benzene fragments: synthesis and energy transfer. <i>Tetrahedron</i> , 2013 , 69, 2827-2833 | 2.4 | 8 |
| 16 | Asymmetric squaraine dyes: spectroscopic and theoretical investigation. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8536-46 | 3.4 | 26 |
| 15 | Induced self-assembly of a tetrathiafulvalene-based open-shell dyad through intramolecular electron transfer. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11024-8 | 16.4 | 39 |
| 14 | Resonance energy transfer between polar charge-transfer dyes: A focus on the limits of the dipolar approximation. <i>Chemical Physics</i> , 2012 , 404, 9-15 | 2.3 | 13 |
| 13 | Spectroscopic characterization and modeling of quadrupolar charge-transfer dyes with bulky substituents. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4959-66 | 3.4 | 23 |
| 12 | Essential state model for two-photon absorption spectra of polymethine dyes. <i>ChemPhysChem</i> , 2012 , 13, 2795-800 | 3.2 | 21 |
| 11 | 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, 11099-109 | 3.6 | 37 |
| 10 | Beyond the Förster formulation for resonance energy transfer: the role of dark states. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12734-44 | 3.6 | 15 |
| 9 | Fluorescence anisotropy spectra disclose the role of disorder in optical spectra of branched intramolecular-charge-transfer molecules. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 7009-20 | 3.4 | 38 |
| 8 | Polar fluorenes and spirobifluorenes: fluorescence and fluorescence anisotropy spectra. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11420-30 | 3.4 | 13 |

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| 7 | Dimers of quadrupolar chromophores in solution: electrostatic interactions and optical spectra. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 882-93 | 3.4 | 21 |
| 6 | The effectiveness of essential-state models in the description of optical properties of branched push-pull chromophores. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11715-27 | 3.6 | 61 |
| 5 | Enhancing the efficiency of two-photon absorption by metal coordination. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9450-7 | 3.6 | 26 |
| 4 | Electroabsorption spectra of quadrupolar and octupolar dyes in solution: beyond the Lippert formulation. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 8697-705 | 2.8 | 5 |
| 3 | Symmetry breaking in octupolar chromophores: solvatochromism and electroabsorption. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 5079-87 | 3.4 | 80 |
| 2 | One- and two-photon absorption and emission properties of heteroaromatic bichromophores 2008 , | | 1 |
| 1 | In situ spectroscopic characterization of rectifying molecular monolayers self-assembled on gold. <i>ChemPhysChem</i> , 2007 , 8, 2195-201 | 3.2 | 11 |