

# Cristina Sissa

## List of Publications by Citations

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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	Symmetry breaking in octupolar chromophores: solvatochromism and electroabsorption. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 5079-87	3.4	80
41	The effectiveness of essential-state models in the description of optical properties of branched push-pull chromophores. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 11715-27	3.6	61
40	Aggregates of quadrupolar dyes for two-photon absorption: the role of intermolecular interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 28198-28208	3.6	40
39	Induced self-assembly of a tetrathiafulvalene-based open-shell dyad through intramolecular electron transfer. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11024-8	16.4	39
38	Fluorescence anisotropy spectra disclose the role of disorder in optical spectra of branched intramolecular-charge-transfer molecules. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 7009-20	3.4	38
37	Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 11099-109	3.6	37
36	Asymmetric squaraine dyes: spectroscopic and theoretical investigation. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 8536-46	3.4	26
35	Enhancing the efficiency of two-photon absorption by metal coordination. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 9450-7	3.6	26
34	Spectroscopic characterization and modeling of quadrupolar charge-transfer dyes with bulky substituents. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 4959-66	3.4	23
33	Supramolecular chirality: a caveat in assigning the handedness of chiral aggregates. <i>Chemical Communications</i> , <b>2020</b> , 56, 8281-8284	5.8	21
32	Essential state model for two-photon absorption spectra of polymethine dyes. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2795-800	3.2	21
31	Dimers of quadrupolar chromophores in solution: electrostatic interactions and optical spectra. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 882-93	3.4	21
30	Chiral Plasmons: Au Nanoparticle Assemblies on Thermoresponsive Organic Templates. <i>ACS Nano</i> , <b>2019</b> , 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> , <b>2019</b> , 22, 129-135	3.6	17
28	Tuning the nature of the fluorescent state: a substituted polycondensed dye as a case study. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 924-35	4.8	16
27	Nanostructuring Lipophilic Dyes in Water Using Stable Vesicles, Quasomes, as Scaffolds and Their Use as Probes for Bioimaging. <i>Small</i> , <b>2018</b> , 14, e1703851	11	15
26	Systematic Molecular Engineering of a Series of Aniline-Based Squaraine Dyes and Their Structure-Related Properties. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 3994-4008	3.8	15

25	Beyond the Förster formulation for resonance energy transfer: the role of dark states. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 12734-44	3.6	15
24	Resonance energy transfer between polar charge-transfer dyes: A focus on the limits of the dipolar approximation. <i>Chemical Physics</i> , <b>2012</b> , 404, 9-15	2.3	13
23	Polar fluorenes and spirobifluorenes: fluorescence and fluorescence anisotropy spectra. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 11420-30	3.4	13
22	Dye-Loaded Quatsomes Exhibiting FRET as Nanoprobes for Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20253-20262	9.5	11
21	In situ spectroscopic characterization of rectifying molecular monolayers self-assembled on gold. <i>ChemPhysChem</i> , <b>2007</b> , 8, 2195-201	3.2	11
20	Superlinear amplification of the first hyperpolarizability of linear aggregates of DANS molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 24979-24984	3.6	10
19	Excitation Dynamics in Hetero-bichromophoric Calixarene Systems. <i>ChemPhysChem</i> , <b>2016</b> , 17, 1686-706	3.2	10
18	A calixarene-based fluorescent ratiometric temperature probe. <i>Chemical Communications</i> , <b>2019</b> , 55, 8098-8101	3.8	9
17	Vibrational coherences in charge-transfer dyes: a non-adiabatic picture. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 164317	3.9	9
16	Ultrafast spectroscopy, superluminescence and theoretical modeling of a two-photon absorbing fluorene derivative. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 12839-46	3.6	9
15	Understanding TADF: a joint experimental and theoretical study of DMAC-TRZ. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 378-387	3.6	9
14	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> , <b>2018</b> , 122, 5664-5672	3.8	8
13	Intimately bound coumarin and bis(alkylaminostyryl)benzene fragments: synthesis and energy transfer. <i>Tetrahedron</i> , <b>2013</b> , 69, 2827-2833	2.4	8
12	Investigation of electronic energy transfer in a BODIPY-decorated calix[4]arene. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107652	4.6	6
11	Antiadiabatic View of Fast Environmental Effects on Optical Spectra. <i>Physical Review Letters</i> , <b>2020</b> , 124, 107401	7.4	5
10	Combining intra- and intermolecular charge-transfer: a new strategy towards molecular ferromagnets and multiferroics. <i>Scientific Reports</i> , <b>2016</b> , 6, 19682	4.9	5
9	Emergence of Chiroptical Properties in Molecular Assemblies of Phenyleneethynylenes: The Role of Quasi-degenerate Excitations. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4584-4590	6.4	5
8	Electroabsorption spectra of quadrupolar and octupolar dyes in solution: beyond the lityay formulation. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8697-705	2.8	5

7	Optical spectra of organic dyes in condensed phases: the role of the medium polarizability. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25483-25491	3.6	4
6	Thermally activated delayed fluorescence: A critical assessment of environmental effects on the singlet-triplet energy gap. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 134112	3.9	4
5	Understanding Förster Energy Transfer through the Lens of Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 7281-7288	6.4	3
4	Emergent chiroptical properties in supramolecular and plasmonic assemblies. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 11208-11226	58.5	3
3	One- and two-photon absorption and emission properties of heteroaromatic bichromophores <b>2008</b> ,		1
2	Increasing resonance energy transfer upon dilution: a counterintuitive observation in CTAB micelles. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10952-10964	7.1	0
1	Crystal structures and photoluminescence properties of chromium(III) complexes with 2-thenoyltrifluoroacetone ligand. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131023	3.4	0