

Glauco Ponterini

List of Publications by Year in descending order

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83
papers

1,623
citations

331538

21
h-index

345118

36
g-index

85
all docs

85
docs citations

85
times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Trans-cis photoisomerization mechanism of carbocyanines: experimental check of theoretical models. <i>Chemical Physics</i> , 1991, 151, 111-126.	0.9	93
2	Singlet \rightarrow triplet intersystem crossing in 2,2 \rightarrow :5 \rightarrow ,2 \rightarrow -terthiophene and some of its derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 70, 59-67.	2.0	83
3	Covalent hydration and pseudobase formation in transition metal polypyridyl complexes: Reality or myth?. <i>Coordination Chemistry Reviews</i> , 1983, 50, 209-302.	9.5	82
4	First- and Second-Order Polarizabilities of Simple Merocyanines. An Experimental and Theoretical Reassessment of the Two-Level Model. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11861-11872.	1.1	81
5	Protein \rightarrow protein interface-binding peptides inhibit the cancer therapy target human thymidylate synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E542-9.	3.3	77
6	Solvent influence on absorption and fluorescence spectra of merocyanine dyes: a theoretical and experimental study. <i>Chemical Physics</i> , 2003, 288, 309-325.	0.9	73
7	Comparison of radiationless decay processes in osmium and platinum porphyrins. <i>Journal of the American Chemical Society</i> , 1983, 105, 4639-4645.	6.6	71
8	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
9	Inside the biochemical pathways of thymidylate synthase perturbed by anticancer drugs: Novel strategies to overcome cancer chemoresistance. <i>Drug Resistance Updates</i> , 2015, 23, 20-54.	6.5	57
10	Electronic spectra and trans \rightarrow cis photoisomerism of carbocyanines. A theoretical (CS INDO CI) and experimental study. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993, 49, 471-495.	0.1	41
11	Photoisomerization Dynamics of 3,3 \rightarrow -Diethyl Oxacarbocyanine. Intramolecular and Solvent Viscosity Effects. <i>Zeitschrift Fur Elektrochemie Und Elektrochemie</i> , 1992, 96, 564-573.	0.9	35
12	Dimerization of green sensitizing cyanines in solution. A spectroscopic and theoretical study of the bonding nature. <i>Chemical Physics</i> , 2002, 275, 149-165.	0.9	31
13	Potential-energy curves of the torsional mode of 1,1 \rightarrow -binaphthyl in the ground and lowest excited singlet states. A CS \rightarrow INDO/CI study. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1987, 83, 2139-2149.	1.1	30
14	Photoisomerization of simple merocyanines: a theoretical and experimental comparison with polyenes and symmetric cyanines. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 979-987.	1.3	30
15	Rotamerism in 2,2 \rightarrow -binaphthyl. A study based on fluorescence analysis and CS-INDO/CI calculations. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1989, 85, 65-74.	1.1	25
16	Solvent effects within the CS INDO method. Geometrical distortion and solvatochromism of merocyanine dyes. <i>Chemical Physics</i> , 1998, 238, 353-364.	0.9	25
17	Consequences of H-dimerization on the photophysics and photochemistry of oxacarbocyanines. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3857.	1.3	24
18	Probing solute \rightarrow solvent hydrogen bonding with fluorescent water-soluble curcuminoids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 115-124.	2.0	24

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19	Electronic structure and photochemistry of squaraine dyes: basic theoretical analysis and direct detection of the photoisomer of a symmetrical squarylium cyanine. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 396.	1.6	23
20	Optical and photophysical properties of anisole- and cyanobenzene-substituted perylene diimides. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4924-4941.	1.3	23
21	Photoisomerization of Asymmetric Indobenzimidazolo Cyanine Dyes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995, 99, 763-769.	0.9	22
22	Optimization of Peptides That Target Human Thymidylate Synthase to Inhibit Ovarian Cancer Cell Growth. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1355-1367.	2.9	22
23	Mass Spectrometric/Bioinformatic Identification of a Protein Subset That Characterizes the Cellular Activity of Anticancer Peptides. <i>Journal of Proteome Research</i> , 2014, 13, 5250-5261.	1.8	22
24	Electronic spectra and trans-cis isomerism of streptopolymethine cyanines. A CS INDO CI study. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1990, 46, 775-791.	0.1	21
25	Hotspots in an Obligate Homodimeric Anticancer Target. Structural and Functional Effects of Interfacial Mutations in Human Thymidylate Synthase. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3572-3581.	2.9	21
26	Polarization of cis-trans photoisomerization funnels, size and suddenness. <i>Chemical Physics</i> , 1980, 52, 415-430.	0.9	20
27	Virtual Screening and X-ray Crystallography Identify Non-Substrate Analog Inhibitors of Flavin-Dependent Thymidylate Synthase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9269-9275.	2.9	19
28	Theoretical and experimental study of the electronic spectrum and photophysics of Michler's hydrol blue. <i>Chemical Physics</i> , 1992, 160, 85-96.	0.9	18
29	Concerning medium polarity effects on the photophysics and photochemistry of TICT-forming dyes. <i>Coordination Chemistry Reviews</i> , 1993, 125, 301-315.	9.5	18
30	Irradiation-wavelength dependent photochemistry of the bichromophoric sulfonylurea chlorsulfuron. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 129-137.	2.0	18
31	Discovery of a benzothioephene-flavonol halting miltefosine and antimonial drug resistance in Leishmania parasites through the application of medicinal chemistry, screening and genomics. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111676.	2.6	18
32	The stable and photochemical isomers of some merocyanines: a ¹ H NMR and theoretical CS INDO study of the structures and electronic spectra. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 105, 297-305.	2.0	16
33	Exciton-Like and Charge-Transfer States in Cyanine-Oxonol Ion Pairs. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4600-4610.	1.1	16
34	Dimer-monomer equilibrium of human thymidylate synthase monitored by fluorescence resonance energy transfer. <i>Protein Science</i> , 2010, 19, 1023-1030.	3.1	16
35	Electronic spectra and (hyper)polarizabilities of non-centrosymmetric D ⁺ A ⁻ D chromophores. An experimentally based three-state model and a theoretical TDDFT study of ketocyanines. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9507.	1.3	16
36	Identification of the photoisomers of two carbocyanines by ¹ H NMR spectroscopy. <i>Journal of Molecular Structure</i> , 1995, 355, 193-200.	1.8	15

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37	A poly(alkylsulfany)thiophene functionalized with carboxylic groups. <i>Polymer</i> , 2006, 47, 775-784.	1.8	15
38	Modelling of the cis-trans partitioning in the photoisomerizations of cyanines and stilbene derivatives. <i>Chemical Physics Letters</i> , 1993, 216, 41-46.	1.2	14
39	A 5-(difluorenyl)-1,10-phenanthroline-based Ru(II) complex as a coating agent for potential multifunctional gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14826-14833.	1.3	14
40	Intermolecular electron transfer in merocyanine aggregates studied by optical and transient EPR methods. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1736-1742.	1.3	13
41	Folic Acid-Peptide Conjugates Combine Selective Cancer Cell Internalization with Thymidylate Synthase Dimer Interface Targeting. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3204-3221.	2.9	13
42	Generation of singlet oxygen by 2,2',5',2''-terthiophene and some of its derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 83, 1-6.	2.0	12
43	Aggregation behaviour of a water-soluble ammonium-functionalized polythiophene: Luminescence enhancement induced by bile-acid anions. <i>Polymer</i> , 2012, 53, 403-410.	1.8	12
44	pH-Promoted Release of a Novel Anti-Tumour Peptide by "Stealth" Liposomes: Effect of Nanocarriers on the Drug Activity in Cis-Platinum Resistant Cancer Cells. <i>Pharmaceutical Research</i> , 2018, 35, 206.	1.7	12
45	Human Thymidylate Synthase Inhibitors Halting Ovarian Cancer Growth. <i>Vitamins and Hormones</i> , 2018, 107, 473-513.	0.7	12
46	A Recent Development of the CS INDO Model. Treatment of Solvent Effects on Structures and Optical Properties of Organic Dyes dedicated to Professor G. Del Re. <i>Advances in Quantum Chemistry</i> , 2000, 36, 121-150.	0.4	11
47	Excitation Energy Transfer in Ion Pairs of Polymethine Cyanine Dyes: Efficiency and Dynamics. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7527-7538.	1.1	11
48	J-Aggregation of an anionic oxacarbocyanine in electrostatically self-assembled multilayers. <i>Thin Solid Films</i> , 2006, 496, 585-594.	0.8	11
49	A novel class of tetrairon(III) single-molecule magnets with graphene-binding groups. <i>Polyhedron</i> , 2009, 28, 2029-2035.	1.0	10
50	XANES, UV-VIS and luminescence spectroscopic study of chromophores in ancient HIMT glass. <i>European Journal of Mineralogy</i> , 2011, 23, 969-980.	0.4	10
51	Translational repression of thymidylate synthase by targeting its mRNA. <i>Nucleic Acids Research</i> , 2013, 41, 4159-4170.	6.5	10
52	Internalization and Stability of a Thymidylate Synthase Peptide Inhibitor in Ovarian Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10551-10556.	2.9	10
53	Intracellular quantitative detection of human thymidylate synthase engagement with an unconventional inhibitor using tetracysteine-diarsenical-probe technology. <i>Scientific Reports</i> , 2016, 6, 27198.	1.6	10
54	Chemical asymmetry and $\hat{\mu}$ and $\hat{\nu}^2$ polarizabilities of D-A chromophores: a three-state-model and TDDFT-SOS analysis of a penta-heptamethine ketocyanine. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4171.	1.3	9

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55	The 1,10-Phenanthroline Ligand Enhances the Antiproliferative Activity of DNA-Intercalating Thiourea-Pd(II) and -Pt(II) Complexes Against Cisplatin-Sensitive and -Resistant Human Ovarian Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6122.	1.8	9
56	Photophysics and photochemistry of diphenyl sulfone. 2. Investigation of the S1 decay pathways. <i>The Journal of Physical Chemistry</i> , 1989, 93, 678-683.	2.9	8
57	Linear and nonlinear optical properties of V-shaped D-π-A chromophores: effects of the incorporation of aromatic rings in the polyenic π-bridges of open-chain ketocyanines. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15576.	1.3	8
58	Structures and Reactivities of 1-Oxo-cycloalkan-2-ylideneacetic Acids. A 1H NMR, Modelling and Photochemical Study. <i>Tetrahedron</i> , 2000, 56, 7561-7571.	1.0	7
59	Photophysics and photochemistry of diphenylsulfone. 1. The triplet mechanism of photodissociation. <i>The Journal of Physical Chemistry</i> , 1988, 92, 4084-4088.	2.9	6
60	Ion pairing of bisdimethylamino pentamethinecyanine perchlorate and its consequences on the cis-trans photoisomerization dynamics. <i>Chemical Physics</i> , 1997, 216, 193-205.	0.9	6
61	Aggregation of cation-anionic and related polymethine dyes. <i>International Journal of Photoenergy</i> , 2000, 2, 17-21.	1.4	6
62	Strategies to reduce inter-chain aggregation and fluorescence quenching in alternated multilayers of a polythiophene. <i>Thin Solid Films</i> , 2008, 516, 8731-8735.	0.8	6
63	Design and characterization of a mutation outside the active site of human thymidylate synthase that affects ligand binding. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 81-89.	1.0	6
64	Fluorometric detection of protein-ligand engagement: The case of phosphodiesterase5. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 335-342.	1.4	6
65	Conformational Propensity and Biological Studies of Proline Mutated LR Peptides Inhibiting Human Thymidylate Synthase and Ovarian Cancer Cell Growth. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7374-7380.	2.9	6
66	Excited-state intramolecular proton transfer in a bioactive flavonoid provides fluorescence observables for recognizing its engagement with target proteins. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2270-2280.	1.6	6
67	Ion pairs of indobenzimidazolo cyanines: a structural study based on conductivity, absorption, fluorescence and -NMR. <i>Journal of Molecular Structure</i> , 1998, 471, 145-159.	1.8	5
68	Solvent-dependent host-guest complexation of two homologous merocyanines by a water-soluble calix[8]arene: Spectroscopic analysis and structural calculations. <i>Journal of Molecular Structure</i> , 2007, 846, 49-54.	1.8	5
69	A comparative study of two amphiphilic merocyanines: from monomers to aggregates in Langmuir and Langmuir-Blodgett mixed films. <i>RSC Advances</i> , 2013, 3, 1468-1475.	1.7	5
70	SAR Studies and Biological Characterization of a Chromen-4-one Derivative as an Anti-Trypanosoma brucei Agent. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 528-533.	1.3	5
71	A Peptidic Thymidylate-Synthase Inhibitor Loaded on Pegylated Liposomes Enhances the Antitumour Effect of Chemotherapy Drugs in Human Ovarian Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4452.	1.8	5
72	Influence of ion pair formation on the photochemistry of asymmetric cationic indobenzimidazolo cyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 117, 35-41.	2.0	4

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73	Excitation-Energy Transfer Paths from Tryptophans to Coordinated Copper Ions in Engineered Azurins: a Source of Observables for Monitoring Protein Structural Changes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1329-1349.	1.4	4
74	Cyclic Peptides Acting as Allosteric Inhibitors of Human Thymidylate Synthase and Cancer Cell Growth. <i>Molecules</i> , 2019, 24, 3493.	1.7	4
75	Sudden polarization effect in methyl-substituted twisted polyenes. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1981, 65, 272-284.	0.2	2
76	Structural Bases for the Synergistic Inhibition of Human Thymidylate Synthase and Ovarian Cancer Cell Growth by Drug Combinations. <i>Cancers</i> , 2021, 13, 2061.	1.7	2
77	A condensed thiadiazolo-pyrimidine as a new efficient fluorophore. Theoretical and experimental investigation of the electronic spectra and photophysics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 77, 227-236.	2.0	1
78	Aggregation modes of anionic oxacarbocyanines with polycations in solution and in ESAMs. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-7.	1.4	1
79	Intrinsic Fluorescence of the Active and the Inactive Functional Forms of Human Thymidylate Synthase. <i>ChemBioChem</i> , 2021, 22, 1800-1810.	1.3	1
80	Fluorescence Observables and Enzyme Kinetics in the Investigation of PPI Modulation by Small Molecules: Detection, Mechanistic Insight, and Functional Consequences. , 2013, , 135-158.		1
81	Real-Time Acquisition and Preprocessing of Kinetic and Spectroscopic Data in Laser Flash Photolysis. <i>Applied Spectroscopy</i> , 1986, 40, 599-605.	1.2	0
82	Electronic spectra and fluorescence properties of multichromophoric sulfonylureas. <i>Inorganica Chimica Acta</i> , 2007, 360, 931-937.	1.2	0
83	Intrinsic Fluorometric Reporters of Pteridine Reductase 1, a Target for Antiparasitic Agents. <i>Physchem</i> , 2022, 2, 131-144.	0.5	0