

Enrico Benassi

List of Publications by Year in descending order

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49
papers

623
citations

516710
16
h-index

642732
23
g-index

49
all docs

49
docs citations

49
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent mesoionic 1-(2-aryl-4H-thieno[3,4-d][1,2,3]triazol-2-ylidene)ethan-1-olates: One-pot synthesis, photophysics, and biological behavior. <i>Dyes and Pigments</i> , 2022, 199, 109777.	3.7	2
2	An inexpensive density functional theory α -based protocol to predict accurate ^{19}F NMR chemical shifts. <i>Journal of Computational Chemistry</i> , 2022, 43, 170-183.	3.3	5
3	How do electron donating substituents affect the electronic structure, molecular topology, vibrational properties and intra- and intermolecular interactions of polyhalogenated pyridines?. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4002-4021.	2.8	4
4	N,O-bidentate ligands-based salicylic spiroborates: A bright frontier of bioimaging. <i>Dyes and Pigments</i> , 2022, 200, 110165.	3.7	6
5	Intermolecular interactions in the crystalline structure of some polyhalogenated Di- And triamino Pyridines: Spectroscopical perspectives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121632.	3.9	0
6	3-Aryl-2-(thiazol-2-yl)acrylonitriles assembled with aryl/hetaryl rings: Design of the optical properties and application prospects. <i>Dyes and Pigments</i> , 2021, 184, 108836.	3.7	7
7	Fluorescent Assemblies of 2-Amino-3-cyanothiophenes with Azoles. Design and Peculiar Properties of Absorption and Emission. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 400-411.	2.7	1
8	Generation of particle assemblies mimicking enzymatic activity by processing of herbal food: the case of rhizoma polygonati and other natural ingredients in traditional Chinese medicine. <i>Nanoscale Advances</i> , 2021, 3, 2222-2235.	4.6	33
9	Thermodynamic properties, mechanical properties and interatomic potential in solids: a Shou-Shi-Ling () Tj ETQq1 1,0,784314,rgBT /O	2.2	0
10	Design, synthesis, and photophysics of bi- and tricyclic fused pyrazolines. <i>New Journal of Chemistry</i> , 2021, 45, 6315-6326.	2.8	1
11	Selective oxidative intermolecular carbosulphenylation of aryl alkenes with thiols and nucleophiles via a 1,2-dithioethane intermediate. <i>Chemical Communications</i> , 2021, 57, 7533-7536.	4.1	3
12	A General Method for the Dibromination of Vicinal sp^3 C-H Bonds Exploiting Weak Solvent-Substrate Noncovalent Interactions. <i>Organic Letters</i> , 2021, 23, 2399-2404.	4.6	3
13	Concealed Wireless Warning Sensor Based on Triboelectrification and Human-Plant Interactive Induction. <i>Research</i> , 2021, 2021, 9870936.	5.7	15
14	p-Block Heterobenzenes: Recurring Features in Structural, Vibrational, Electronic and Topological Properties. <i>Journal of Molecular Structure</i> , 2021, 1245, 131258.	3.6	1
15	Impact of fluorination and chlorination on the electronic structure, topology and in-plane ring normal modes of pyridines. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18958-18974.	2.8	5
16	Modified biomimetic core-shell nanostructures enable long circulation and targeted delivery for cancer therapy. <i>New Journal of Chemistry</i> , 2021, 45, 21359-21368.	2.8	2
17	Photophysics, photochemistry and bioimaging application of 8-azapurine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9880-9896.	2.8	2
18	2-Aryl-2,4-dihydro-5H-[1,2,3]triazolo[4,5-c]pyrimidin-5-ones as a New Platform for the Design and Synthesis of Biosensors and Chemosensors. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 316-329.	2.4	7

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19	Structural Diversity and Spectral Properties of the Crystals of Heterometallic Complexes Derived from TM(acacen) and Pb(diketonate) ₂ , TM = Cu, Ni, Pd. Crystal Growth and Design, 2020, 20, 7260-7270.	3.0	2
20	Two Approaches for the Synthesis of Fused Dihydropyridines via a 1,6-Electrocyclic Reaction: Fluorescent Properties and Prospects for Application. Journal of Organic Chemistry, 2020, 85, 13837-13852.	3.2	3
21	Arene-Ruthenium(II) Complexes Containing 11 <i>H</i> -Indeno[1,2- <i>b</i>]quinoxalin-11-one Derivatives and Tryptanthrin-6-oxime: Synthesis, Characterization, Cytotoxicity, and Catalytic Transfer Hydrogenation of Aryl Ketones. ACS Omega, 2020, 5, 11167-11179.	3.5	20
22	Iodine/Manganese Catalyzed Sulfenylation of Indole via Dehydrogenative Oxidative Coupling in Anisole. Advanced Synthesis and Catalysis, 2020, 362, 2666-2671.	4.3	17
23	Impact of molecular packing rearrangement on solid-state fluorescence: polyhalogenated <i>N</i> -hetaryl amines vs. their co-crystals with 18-crown-6. CrystEngComm, 2019, 21, 5931-5946.	2.6	12
24	The impact on the ring related vibrational frequencies of pyridine of hydrogen bonds with haloforms – a topology perspective. Physical Chemistry Chemical Physics, 2019, 21, 1724-1736.	2.8	12
25	Design and synthesis of disubstituted and trisubstituted thiazoles as multifunctional fluorophores with large Stokes shifts. Dyes and Pigments, 2019, 166, 60-71.	3.7	23
26	Determination of Hyperfine Coupling Constants of Fluorinated Diphenylacetylene Radical Anions by Magnetic Field-Affected Reaction Yield Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 505-516.	2.5	3
27	Nuclear MET requires ARF and is inhibited by carbon nanodots through binding to phospho-tyrosine in prostate cancer. Oncogene, 2019, 38, 2967-2983.	5.9	21
28	X-ray Generated Recombination Exciplexes of Substituted Diphenylacetylenes with Tertiary Amines: A Versatile Experimental Vehicle for Targeted Creation of Deep-Blue Electroluminescent Systems. Journal of Physical Chemistry A, 2018, 122, 1235-1252.	2.5	6
29	Ultrafast excited state decay of natural UV filters: from intermolecular hydrogen bonds to a conical intersection. Physical Chemistry Chemical Physics, 2018, 20, 15074-15085.	2.8	3
30	Highlights on the Road towards Highly Emitting Solid-State Luminophores: Two Classes of Thiazole-Based Organoboron Fluorophores with the AIEE/AIE Effect. Chemistry - an Asian Journal, 2018, 13, 311-324.	3.3	24
31	An effective and facile synthesis of new blue fluorophores on the basis of an 8-azapurine core. Organic and Biomolecular Chemistry, 2018, 16, 9420-9429.	2.8	11
32	Fluorescent boron complexes based on new <i>N</i> , <i>O</i> -chelates as promising candidates for flow cytometry. Organic and Biomolecular Chemistry, 2018, 16, 5150-5162.	2.8	20
33	Synthesis and Fluorescent Behaviour of 2-Aryl-4,5-dihydro-1 <i>H</i> -1,2,4-triazoles. Journal of Organic Chemistry, 2017, 82, 86-100.	3.2	13
34	Synthesis of Thiazoles Bearing Aryl Enamine/Aza-enamine Side Chains: Effect of the Conjugated Spacer Structure and Hydrogen Bonding on Photophysical Properties. European Journal of Organic Chemistry, 2017, 2017, 4175-4187.	2.4	18
35	Topology vs. thermodynamics in chemical reactions: the instability of PH ₅ . Physical Chemistry Chemical Physics, 2017, 19, 27779-27785.	2.8	9
36	Synthesis of 5 <i>H</i> -Acyl-2 <i>H</i> -Amino-3-Cyanothiophenes: Chemistry and Fluorescent Properties. Chemistry - an Asian Journal, 2017, 12, 2410-2425.	3.3	10

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37	Benchmarking of density functionals for a soft but accurate prediction and assignment of ¹ H and ¹³ C NMR chemical shifts in organic and biological molecules. Journal of Computational Chemistry, 2017, 38, 87-92.	3.3	28
38	2-Aryl-5-amino-1,2,3-triazoles: New effective blue-emitting fluorophores. Dyes and Pigments, 2017, 136, 229-242.	3.7	27
39	Synthesis of 2-Aryl-1,2,3-triazoles by Oxidative Cyclization of 2-(Aryloxy)ethene-1,1-diamines: A One-Pot Approach. European Journal of Organic Chemistry, 2016, 2016, 2700-2710.	2.4	21
40	Hypervalency in Organic Crystals: A Case Study of the Oxicam Sulfonamide Group. Journal of Physical Chemistry A, 2016, 120, 10289-10296.	2.5	12
41	Efficient Excited-State Symmetry Breaking in a Cationic Quadrupolar System Bearing Diphenylamino Donors. ChemPhysChem, 2016, 17, 136-146.	2.1	42
42	Source function and plane waves: Toward complete bader analysis. Journal of Computational Chemistry, 2016, 37, 2133-2139.	3.3	8
43	Presence of Two Emissive Minima in the Lowest Excited State of a Push-Pull Cationic Dye Unequivocally Proved by Femtosecond Up-Conversion Spectroscopy and Vibronic Quantum-Mechanical Computations. Journal of Physical Chemistry B, 2015, 119, 6035-6040.	2.6	37
44	General Strategy for Computing Nonlinear Optical Properties of Large Neutral and Cationic Organic Chromophores in Solution. Journal of Physical Chemistry B, 2015, 119, 3155-3173.	2.6	50
45	Effect of the π Bridge and Acceptor on Intramolecular Charge Transfer in Push-Pull Cationic Chromophores: An Ultrafast Spectroscopic and TD-DFT Computational Study. ChemPhysChem, 2015, 16, 1440-1450.	2.1	40
46	An integrated computational tool to model the broadening of the absorption bands of flexible dyes in solution: cationic chromophores as test cases. Physical Chemistry Chemical Physics, 2014, 16, 26963-26973.	2.8	17
47	Exciton Transfer of Azobenzene Derivatives in Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 25026-25041.	3.1	16
48	Polyhalogenated aminobenzonitriles vs. their co-crystals with 18-crown-6: amino group position as a tool to control crystal packing and solid-state fluorescence. CrystEngComm, 0, , .	2.6	1
49	Symmetric Spiroenes: Promising Building Blocks for New Generation Opto-Electronic Materials. Physical Chemistry Chemical Physics, 0, , .	2.8	0