

Alberto Bossi

List of Publications by Year in descending order

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55
papers

1,172
citations

430874

18
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	(Dimesityl)boron Benzodithiophenes: Synthesis, Electrochemical, Photophysical and Theoretical Characterization. <i>ChemistryOpen</i> , 2022, 11, e202100265.	1.9	2
2	Advancing Near-Infrared Phosphorescence with Heteroleptic Iridium Complexes Bearing a Single Emitting Ligand: Properties and Organic Light-Emitting Diode Applications. <i>Chemistry of Materials</i> , 2022, 34, 574-583.	6.7	20
3	Steric hindrance in the on-surface synthesis of diethynyl-linked anthracene polymers. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 13616-13624.	2.8	2
4	Ordered assembly of non-planar vanadyl-tetraphenylporphyrins on ultra-thin iron oxide. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17077-17087.	2.8	3
5	Out-of-Plane Metal Coordination for a True Solvent-Free Building with Molecular Bricks: Dodging the Surface Ligand Effect for On-Surface Vacuum Self-Assembly. <i>Advanced Functional Materials</i> , 2021, 31, 2011008.	14.9	8
6	A microprocessor-aided platform enabling surface differential reflectivity and reflectance anisotropy spectroscopy. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	5
7	Driving Organic Nanocrystals Dissolution Through Electrochemistry. <i>ChemistryOpen</i> , 2021, 10, 748-755.	1.9	2
8	Ab Initio Many-Body Perturbation Theory Calculations of the Electronic and Optical Properties of Cyclometalated Ir(III) Complexes. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 1188-1199.	5.3	5
9	Customised porphyrin coating films for graphite electrode protection: An investigation on the role of peripheral groups by coupled AFM and cyclic voltammetry techniques. <i>Applied Surface Science</i> , 2020, 507, 145055.	6.1	1
10	Nucleobase morpholino $\hat{1}^2$ amino acids as molecular chimeras for the preparation of photoluminescent materials from ribonucleosides. <i>Scientific Reports</i> , 2020, 10, 19331.	3.3	15
11	Close-Packed Arrangements of Flat-On Free-Base Porphyrins Driven by van der Waals Epitaxy. <i>Crystal Growth and Design</i> , 2020, 20, 7450-7459.	3.0	4
12	Benzodithienyl Silanes for Organic Electronics: AIE Solid-State Blue Emitters and High Triplet Energy Charge-Transport Materials. <i>Advanced Optical Materials</i> , 2020, 8, 2001018.	7.3	4
13	Anion intercalated graphite: a combined electrochemical and tribological investigation by in situ AFM. <i>Journal of Microscopy</i> , 2020, 280, 222-228.	1.8	3
14	Porphycene Protonation: A Fast and Reversible Reaction Enabling Optical Transduction for Acid Sensing. <i>ChemPhotoChem</i> , 2020, 4, 5264-5270.	3.0	4
15	In situ atomic force microscopy: the case study of graphite immersed in aqueous NaOH electrolyte. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	1
16	The Quantum Efficiency Roll-Off Effect in Near-Infrared Organic Electroluminescent Devices with Iridium Complexes Emitters. <i>Materials</i> , 2020, 13, 1855.	2.9	4
17	Porphycene Films Grown on Highly Oriented Pyrolytic Graphite: Unveiling Structure-Property Relationship through Combined Reflectance Anisotropy Spectroscopy and Atomic Force Microscopy Investigations. <i>Proceedings (mdpi)</i> , 2020, 56, 44.	0.2	1
18	Reactive Dissolution of Organic Nanocrystals at Controlled pH. <i>ChemNanoMat</i> , 2020, 6, 567-575.	2.8	4

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19	Uniaxial Alignment of a Monolayer of Flat-on Free-Base Porphyrins on an Exfoliable Insulating Substrate. <i>Nano Letters</i> , 2019, 19, 5537-5543.	9.1	3
20	Unraveling the Degradation Mechanism of Irpic-Based Blue OLEDs: I. A Theoretical Investigation. <i>Chemistry of Materials</i> , 2019, 31, 2269-2276.	6.7	9
21	Unraveling the Degradation Mechanism in Irpic-Based Blue OLEDs: II. Trap and Detect Molecules at the Interfaces. <i>Chemistry of Materials</i> , 2019, 31, 2277-2285.	6.7	27
22	Morphological changes of porphine films on graphite by perchloric and phosphoric electrolytes. <i>Applied Surface Science</i> , 2018, 442, 501-506.	6.1	13
23	The influence of anchoring group position in ruthenium dye molecule on performance of dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2018, 150, 335-346.	3.7	12
24	Synthesis and characterization of phosphorescent isomeric iridium complexes with a rigid cyclometalating ligand. <i>Polyhedron</i> , 2018, 140, 138-145.	2.2	9
25	Exploring the Role of Porphyrin Films in Graphite Electrode Protection. , 2018, , 107-118.		1
26	β^2 -Diketonate ancillary ligands in heteroleptic iridium complexes: a balance between synthetic advantages and photophysical troubles. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1169-1178.	2.9	6
27	Vacuum-Deposited Porphyrin Protective Films on Graphite: Electrochemical Atomic Force Microscopy Investigation during Anion Intercalation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4100-4105.	8.0	19
28	Iridium(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. <i>ChemElectroChem</i> , 2017, 4, 1690-1696.	3.4	14
29	Iridium(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. <i>ChemElectroChem</i> , 2017, 4, 1570-1570.	3.4	0
30	Expression of calretinin in high-grade hormone receptor-negative invasive breast carcinomas: correlation with histological and molecular subtypes. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 471, 13-21.	2.8	4
31	Upper limit to the ultimate achievable emission wavelength in near-IR emitting cyclometalated iridium complexes. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1220-1223.	2.9	17
32	Cyclometalated Pt(II) complexes with a bidentate Schiff-base ligand displaying unexpected cis/trans isomerism: synthesis, structures and electronic properties. <i>Dalton Transactions</i> , 2017, 46, 12500-12506.	3.3	11
33	Dual action Smac mimetics-zinc chelators as pro-apoptotic antitumoral agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4613-4619.	2.2	6
34	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic β^2 -Diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2714-2718.	13.8	126
35	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic β^2 -Diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie</i> , 2016, 128, 2764-2768.	2.0	23
36	Design of perylene diimides for organic solar cell: Effect of molecular steric hindrance and extended conjugation. <i>Materials Chemistry and Physics</i> , 2015, 163, 152-160.	4.0	16

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37	The effect of perylene diimides chemical structure on the photovoltaic performance of P3HT/peryrene diimides solar cells. <i>Dyes and Pigments</i> , 2015, 120, 57-64.	3.7	23
38	In Situ Observation of Degradation by Ligand Substitution in Small-Molecule Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2014, 26, 6578-6584.	6.7	30
39	Synthesis, Photophysics, and Electrochemistry of Tetra(2- θ -thienyl)ethylene (TTE) Derivatives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7489-7499.	2.4	23
40	Metal-Free Benzodithiophene-Containing Organic Dyes for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 84-94.	2.4	36
41	Photophysical Properties of Cyclometalated Pt(II) Complexes: Counterintuitive Blue Shift in Emission with an Expanded Ligand π System. <i>Inorganic Chemistry</i> , 2013, 52, 12403-12415.	4.0	143
42	Gold(I) Complexes of Tetrathiaheterohelicene Phosphanes. <i>Inorganic Chemistry</i> , 2013, 52, 7995-8004.	4.0	63
43	Tetrathia[7]helicene-Based Complexes of Ferrocene and (η^5 -Cyclohexadienyl)tricarbonylmanganese: Synthesis and Electrochemical Studies. <i>Organometallics</i> , 2012, 31, 92-104.	2.3	29
44	Synthesis of polymers containing regularly distributed tetrathia[7]helicene units along the backbone. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4704-4710.	2.3	6
45	Synthesis, characterization, and transistor response of tetrathia-[7]-helicene precursors and derivatives. <i>Organic Electronics</i> , 2009, 10, 1511-1520.	2.6	66
46	Electrochemical activity of thiahelicenes: Structure effects and electrooligomerization ability. <i>Electrochimica Acta</i> , 2009, 54, 5083-5097.	5.2	39
47	Theoretical and Experimental Investigation of Electric Field Induced Second Harmonic Generation in Tetrathia[7]helicenes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7900-7907.	3.1	104
48	Novel Substituted Tetrathia[7]helicenes by Direct Functionalization of the Helical System or Photocyclization of Substituted 1,2-(Bis-benzodithienyl)ethenes. <i>Heterocycles</i> , 2008, 76, 1439.	0.7	19
49	Synthesis of Bimetallic Iron-Chromium and Iron-Manganese Complexes with Conjugated Benzodithiophene-Based Spacers. <i>Synthesis</i> , 2007, 2007, 277-283.	2.3	0
50	Silyl-Substituted Tetrathia[7]helicenes: Synthesis, X-Ray Characterization and Reactivity. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4499-4509.	2.4	41
51	Enantioselective synthesis induced by tetrathia-[7]-helicenes in conjunction with asymmetric autocatalysis. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2050-2053.	1.8	75
52	Electroluminescent orthofused thiophene dye embedded in polyvinylcarbazole. <i>Journal of Applied Physics</i> , 2006, 100, 083107.	2.5	11
53	A Novel and Efficient Approach to (Z)-1,2-Bis(benzodithienyl)ethene \hat{A} Precursors of Tetrathia[7]helicenes. <i>Synlett</i> , 2005, 2005, 1137-1141.	1.8	2
54	Theoretical Design of Substituted Tetrathia-[7]-Helicenes with Large Second-Order Nonlinear Optical Responses. <i>ChemPhysChem</i> , 2004, 5, 1438-1442.	2.1	58

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55	A Stable Porphyrin Functionalized Graphite Electrode Used at the Oxygen Evolution Reaction Potential. <i>Electroanalysis</i> , 0, , .	2.9	0