Alberto Bossi

List of Publications by Year in descending order

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	Photophysical Properties of Cyclometalated Pt(II) Complexes: Counterintuitive Blue Shift in Emission with an Expanded Ligand Ï€ System. Inorganic Chemistry, 2013, 52, 12403-12415.	4.0	143
2	Nearâ€IR Emitting Iridium(III) Complexes with Heteroaromatic Î²â€Diketonate Ancillary Ligands for Efficient Solutionâ€Processed OLEDs: Structureâ€“Property Correlations. Angewandte Chemie - International Edition, 2016, 55, 2714-2718.	13.8	126
3	Theoretical and Experimental Investigation of Electric Field Induced Second Harmonic Generation in Tetrathia[7]helicenes. Journal of Physical Chemistry C, 2008, 112, 7900-7907.	3.1	104
4	Enantioselective synthesis induced by tetrathia-[7]-helicenes in conjunction with asymmetric autocatalysis. Tetrahedron: Asymmetry, 2006, 17, 2050-2053.	1.8	75
5	Synthesis, characterization, and transistor response of tetrathia-[7]-helicene precursors and derivatives. Organic Electronics, 2009, 10, 1511-1520.	2.6	66
6	Gold(I) Complexes of Tetrathiaheterohelicene Phosphanes. Inorganic Chemistry, 2013, 52, 7995-8004.	4.0	63
7	Theoretical Design of Substituted Tetrathia-[7]-Helicenes with Large Second-Order Nonlinear Optical Responses. ChemPhysChem, 2004, 5, 1438-1442.	2.1	58
8	Silylâ€Substituted Tetrathia[7]helicenes: Synthesis, Xâ€ray Characterization and Reactivity. European Journal of Organic Chemistry, 2007, 2007, 4499-4509.	2.4	41
9	Electrochemical activity of thiahelicenes: Structure effects and electrooligomerization ability. Electrochimica Acta, 2009, 54, 5083-5097.	5.2	39
10	Metalâ€Free Benzodithiopheneâ€Containing Organic Dyes for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2013, 2013, 84-94.	2.4	36
11	In Situ Observation of Degradation by Ligand Substitution in Small-Molecule Phosphorescent Organic Light-Emitting Diodes. Chemistry of Materials, 2014, 26, 6578-6584.	6.7	30
12	Tetrathia[7]helicene-Based Complexes of Ferrocene and (Î·⁵-Cyclohexadienyl)tricarbonylmanganese: Synthesis and Electrochemical Studies. Organometallics, 2012, 31, 92-104.	2.3	29
13	Unraveling the Degradation Mechanism in FIrpic-Based Blue OLEDs: II. Trap and Detect Molecules at the Interfaces. Chemistry of Materials, 2019, 31, 2277-2285.	6.7	27
14	Synthesis, Photophysics, and Electrochemistry of Tetra(2â€thienyl)ethylene (TTE) Derivatives. European Journal of Organic Chemistry, 2013, 2013, 7489-7499.	2.4	23
15	The effect of perylene diimides chemical structure on the photovoltaic performance of P3HT/perylene diimides solar cells. Dyes and Pigments, 2015, 120, 57-64.	3.7	23
16	Nearâ€IR Emitting Iridium(III) Complexes with Heteroaromatic Î²â€Diketonate Ancillary Ligands for Efficient Solutionâ€Processed OLEDs: Structureâ€“Property Correlations. Angewandte Chemie, 2016, 128, 2764-2768.	2.0	23
17	Advancing Near-Infrared Phosphorescence with Heteroleptic Iridium Complexes Bearing a Single Emitting Ligand: Properties and Organic Light-Emitting Diode Applications. Chemistry of Materials, 2022, 34, 574-583.	6.7	20
18	Novel Substituted Tetrathia[7]helicenes by Direct Functionalization of the Helical System or Photocyclization of Substituted 1,2-(Bis-benzodithienyl)ethenes. Heterocycles, 2008, 76, 1439.	0.7	19

#	Article	IF	Citations
19	Vacuum-Deposited Porphyrin Protective Films on Graphite: Electrochemical Atomic Force Microscopy Investigation during Anion Intercalation. ACS Applied Materials & Interfaces, 2017, 9, 4100-4105.	8.0	19
20	Upper limit to the ultimate achievable emission wavelength in near-IR emitting cyclometalated iridium complexes. Photochemical and Photobiological Sciences, 2017, 16, 1220-1223.	2.9	17
21	Design of perylene diimides for organic solar cell: Effect of molecular steric hindrance and extended conjugation. Materials Chemistry and Physics, 2015, 163, 152-160.	4.0	16
22	Nucleobase morpholino Î² amino acids as molecular chimeras for the preparation of photoluminescent materials from ribonucleosides. Scientific Reports, 2020, 10, 19331.	3.3	15
23	Iridium(III)â€Doped Coreâ€Shell Silica Nanoparticles: Nearâ€IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1690-1696.	3.4	14
24	Morphological changes of porphine films on graphite by perchloric and phosphoric electrolytes. Applied Surface Science, 2018, 442, 501-506.	6.1	13
25	The influence of anchoring group position in ruthenium dye molecule on performance of dye-sensitized solar cells. Dyes and Pigments, 2018, 150, 335-346.	3.7	12
26	Electroluminescent orthofused thiophene dye embedded in polyvinylcarbazole. Journal of Applied Physics, 2006, 100, 083107.	2.5	11
27	Cyclometalated Pt(<scp>ii</scp>) complexes with a bidentate Schiff-base ligand displaying unexpected cis/trans isomerism: synthesis, structures and electronic properties. Dalton Transactions, 2017, 46, 12500-12506.	3.3	11
28	Synthesis and characterization of phosphorescent isomeric iridium complexes with a rigid cyclometalating ligand. Polyhedron, 2018, 140, 138-145.	2.2	9
29	Unraveling the Degradation Mechanism of FIrpic-Based Blue OLEDs: I. A Theoretical Investigation. Chemistry of Materials, 2019, 31, 2269-2276.	6.7	9
30	Outâ€Ofâ€Plane Metal Coordination for a True Solventâ€Free Building with Molecular Bricks: Dodging the Surface Ligand Effect for Onâ€Surface Vacuum Selfâ€Assembly. Advanced Functional Materials, 2021, 31, 2011008.	14.9	8
31	Synthesis of polymers containing regularly distributed tetrathiaâ€[7]â€helicene units along the backbone. Journal of Polymer Science Part A, 2010, 48, 4704-4710.	2.3	6
32	Dual action Smac mimeticsâ€“zinc chelators as pro-apoptotic antitumoral agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4613-4619.	2.2	6
33	Î²-Diketonate ancillary ligands in heteroleptic iridium complexes: a balance between synthetic advantages and photophysical troubles. Photochemical and Photobiological Sciences, 2018, 17, 1169-1178.	2.9	6
34	Ab Initio Many-Body Perturbation Theory Calculations of the Electronic and Optical Properties of Cyclometalated Ir(III) Complexes. Journal of Chemical Theory and Computation, 2020, 16, 1188-1199.	5.3	5
35	A microprocessor-aided platform enabling surface differential reflectivity and reflectance anisotropy spectroscopy. European Physical Journal Plus, 2021, 136, 1.	2.6	5
36	Expression of calretinin in high-grade hormone receptor-negative invasive breast carcinomas: correlation with histological and molecular subtypes. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2017, 471, 13-21.	2.8	4

#	Article	IF	Citations
37	Close-Packed Arrangements of Flat-On Free-Base Porphyrins Driven by van der Waals Epitaxy. Crystal Growth and Design, 2020, 20, 7450-7459.	3.0	4
38	Benzodithienyl Silanes for Organic Electronics: AIE Solidâ€State Blue Emitters and High Triplet Energy Chargeâ€Transport Materials. Advanced Optical Materials, 2020, 8, 2001018.	7.3	4
39	Porphycene Protonation: A Fast and Reversible Reaction Enabling Optical Transduction for Acid Sensing. ChemPhotoChem, 2020, 4, 5264-5270.	3.0	4
40	The Quantum Efficiency Roll-Off Effect in Near-Infrared Organic Electroluminescent Devices with Iridium Complexes Emitters. Materials, 2020, 13, 1855.	2.9	4
41	Reactive Dissolution of Organic Nanocrystals at Controlled pH. ChemNanoMat, 2020, 6, 567-575.	2.8	4
42	Uniaxial Alignment of a Monolayer of Flat-on Free-Base Porphyrins on an Exfoliable Insulating Substrate. Nano Letters, 2019, 19, 5537-5543.	9.1	3
43	Anion intercalated graphite: a combined electrochemical and tribological investigation by in situ AFM. Journal of Microscopy, 2020, 280, 222-228.	1.8	3
44	Ordered assembly of non-planar vanadyl-tetraphenylporphyrins on ultra-thin iron oxide. Physical Chemistry Chemical Physics, 2022, 24, 17077-17087.	2.8	3
45	A Novel and Efficient Approach to (Z)-1,2-Bis(benzodithienyl)ethene ÂPrecursors of Tetrathia[7]helicenes. Synlett, 2005, 2005, 1137-1141.	1.8	2
46	Driving Organic Nanocrystals Dissolution Through Electrochemistry. ChemistryOpen, 2021, 10, 748-755.	1.9	2
47	(Dimesityl)boron Benzodithiophenes: Synthesis, Electrochemical, Photophysical and Theoretical Characterization. ChemistryOpen, 2022, 11, e202100265.	1.9	2
48	Steric hindrance in the on-surface synthesis of diethynyl-linked anthracene polymers. Physical Chemistry Chemical Physics, 2022, 24, 13616-13624.	2.8	2
49	Exploring the Role of Porphyrin Films in Graphite Electrode Protection. , 2018, , 107-118.		1
50	Customised porphyrin coating films for graphite electrode protection: An investigation on the role of peripheral groups by coupled AFM and cyclic voltammetry techniques. Applied Surface Science, 2020, 507, 145055.	6.1	1
51	In situ atomic force microscopy: the case study of graphite immersed in aqueous NaOH electrolyte. European Physical Journal Plus, 2020, 135, 1.	2.6	1
52	Porphycene Films Grown on Highly Oriented Pyrolytic Graphite: Unveiling Structureâ€“Property Relationship through Combined Reflectance Anisotropy Spectroscopy and Atomic Force Microscopy Investigations. Proceedings (mdpi), 2020, 56, 44.	0.2	1
53	Synthesis of Bimetallic Iron-Chromium and Iron-Manganese Complexes with Conjugated Benzodithiophene-Based Spacers. Synthesis, 2007, 2007, 277-283.	2.3	0
54	Iridiumâ€‰(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1570-1570.	3.4	0

#	Article	IF	Citations
55	A Stable Porphyrin Functionalized Graphite Electrode Used at the Oxygen Evolution Reaction Potential. Electroanalysis, 0, , .	2.9	0