

Valeria Fattori

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

4,136
citations

33
h-index

63
g-index

90
ext. papers

4,323
ext. citations

4.5
avg, IF

4.91
L-index

#	Paper	IF	Citations
88	White luminescence achieved by a multiple thermochromic emission in a hybrid organic-inorganic compound based on 3-picolyamine and copper(i) iodide. <i>Dalton Transactions</i> , 2016 , 45, 17939-17947	4.3	28
87	PyreneBullerene Interaction and Its Effect on the Behavior of Photovoltaic Blends. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6909-6919	3.8	15
86	Modulation of charge carrier mobility by side-chain engineering of bi(thienylenevinylene)thiophene containing PPEBPVs. <i>RSC Advances</i> , 2016 , 6, 51642-51648	3.7	2
85	Charge carrier mobility and electronic properties of Al(Op)3: impact of excimer formation. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 1107-15	3	6
84	Anthracene-containing conjugated polymer showing four optical transitions upon doping: A spectroscopic study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 338-346	2.6	8
83	Mechanochemical preparation of copper iodide clusters of interest for luminescent devices. <i>Faraday Discussions</i> , 2014 , 170, 93-107	3.6	32
82	Phosphorescence quantum yield enhanced by intermolecular hydrogen bonds in Cu4I4 clusters in the solid state. <i>Dalton Transactions</i> , 2014 , 43, 9448-55	4.3	28
81	Tuning the colour and efficiency in OLEDs by using amorphous or polycrystalline emitting layers. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1823	7.1	26
80	Exciton coupling in molecular salts of 2-(1,8-naphthalimido)ethanoic acid and cyclic amines: modulation of the solid-state luminescence. <i>CrystEngComm</i> , 2013 , 15, 10470	3.3	9
79	Blue-shifting the monomer and excimer phosphorescence of tridentate cyclometallated platinum(II) complexes for optimal white-light OLEDs. <i>Chemical Communications</i> , 2012 , 48, 5817-9	5.8	119
78	From red to near infra-red OLEDs: the remarkable effect of changing from X = -Cl to -NCS in a cyclometallated [Pt(N^C^N)X] complex {N^C^N = 5-mesityl-1,3-di-(2-pyridyl)benzene}. <i>Chemical Communications</i> , 2012 , 48, 3182-4	5.8	60
77	Silk doped with a bio-modified dye as a viable platform for eco-friendly luminescent solar concentrators. <i>RSC Advances</i> , 2012 , 2, 8610	3.7	31
76	Luminescent iridium(III) complexes with N^C^N-coordinated terdentate ligands: dual tuning of the emission energy and application to organic light-emitting devices. <i>Inorganic Chemistry</i> , 2012 , 51, 3813-26 ^{5.1}	5.1	85
75	Poly(lactic acid) as a transparent matrix for luminescent solar concentrators: a renewable material for a renewable energy technology. <i>Energy and Environmental Science</i> , 2011 , 4, 2849	35.4	48
74	Platinum and palladium complexes of fluorenyl porphyrins as red phosphors for light-emitting devices. <i>New Journal of Chemistry</i> , 2011 , 35, 438-444	3.6	44
73	Light-emitting devices based on organometallic platinum complexes as emitters. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2401-2425	23.2	422
72	Synthesis and optical and transport properties of a phenyl-substituted polythiophene. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2693-2699	2.5	

71	Bi-molecular emissive excited states in platinum (II) complexes for high-performance organic light-emitting diodes. <i>Chemical Physics</i> , 2010 , 378, 47-57	2.3	53
70	Mixing of molecular exciton and excimer phosphorescence to tune color and efficiency of organic LEDs. <i>Organic Electronics</i> , 2010 , 11, 388-396	3.5	87
69	Unified approach to electroluminescence efficiency in organic light-emitting diodes. <i>Organic Electronics</i> , 2010 , 11, 724-730	3.5	20
68	Comment on Control of magnetic-field effect on electro-luminescence in Alq3-based organic light emitting diodes [Appl. Phys. Lett. 88, 123501 (2006)]. <i>Applied Physics Letters</i> , 2009 , 94, 166104	3.4	1
67	Color-variable highly efficient organic electrophosphorescent diodes manipulating molecular exciton and excimer emissions. <i>Applied Physics Letters</i> , 2009 , 94, 073309	3.4	76
66	Organic light sources look forward to optimize the photosynthesis process. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008 , 6, 225-230	2.6	16
65	Highly efficient near-infrared organic excimer electrophosphorescent diodes. <i>Applied Physics Letters</i> , 2007 , 90, 023506	3.4	88
64	N?C?N-Coordinated Platinum(II) Complexes as Phosphorescent Emitters in High-Performance Organic Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2007 , 17, 285-289	15.6	177
63	Mixing of Excimer and Exciplex Emission: A New Way to Improve White Light Emitting Organic Electrophosphorescent Diodes. <i>Advanced Materials</i> , 2007 , 19, 4000-4005	24	229
62	Electro-photoluminescence in organics. <i>Chemical Physics Letters</i> , 2007 , 447, 279-283	2.5	6
61	Single-dopant organic white electrophosphorescent diodes with very high efficiency and its reduced current density roll-off. <i>Applied Physics Letters</i> , 2007 , 90, 163508	3.4	106
60	Electric-field-induced quenching of photoluminescence in photoconductive organic thin film structures based on Eu ³⁺ complexes. <i>Journal of Applied Physics</i> , 2006 , 100, 034318	2.5	11
59	Large electric field effects on photoluminescence of organic Eu ³⁺ complex-based electroluminescent emitters. <i>Applied Physics Letters</i> , 2006 , 88, 051102	3.4	7
58	Coexistence of dissociation and annihilation of excitons on charge carriers in organic phosphorescent emitters. <i>Physical Review B</i> , 2006 , 74,	3.3	81
57	Evidence for electric field dependent dissociation of exciplexes in electron donor-acceptor organic solid films. <i>Chemical Physics Letters</i> , 2006 , 432, 110-115	2.5	21
56	Highly efficient exciplex phosphorescence from organic light-emitting diodes. <i>Chemical Physics Letters</i> , 2006 , 433, 145-149	2.5	42
55	The electron transfer rate of large TPA based compounds: a joint theoretical and electrochemical approach. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 3738-43	3.6	16
54	Branched thiophene-based oligomers as electron acceptors for organic photovoltaics. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2220		30

53	Photophysics of an electrophosphorescent platinum (II) porphyrin in solid films. <i>Journal of Chemical Physics</i> , 2005 , 122, 154710	3.9	48
52	High-electric-field quantum yield roll-off in efficient europium chelates-based light-emitting diodes. <i>Applied Physics Letters</i> , 2005 , 86, 241106	3.4	23
51	Highly efficient organic electrophosphorescent light-emitting diodes with a reduced quantum efficiency roll off at large current densities. <i>Applied Physics Letters</i> , 2004 , 84, 1052-1054	3.4	55
50	Magnetic field effects on organic electrophosphorescence. <i>Physical Review B</i> , 2004 , 70,	3.3	64
49	Triplet energy exchange between fluorescent and phosphorescent organic molecules in a solid state matrix. <i>Chemical Physics</i> , 2004 , 297, 39-48	2.3	60
48	Oligothiophene-S,S-dioxides as a class of electron-acceptor materials for organic photovoltaics. <i>Applied Physics Letters</i> , 2004 , 84, 1901-1903	3.4	39
47	A correlation between electrochemical properties and geometrical structure of some triarylaminines used as hole transporting materials in organic electroluminescent devices. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 3092	3.6	30
46	Highly efficient organic electroluminescent devices based on cyclometallated platinum complexes as new phosphorescent emitters. <i>Synthetic Metals</i> , 2004 , 147, 253-256	3.6	23
45	Organic electroluminescent devices containing phosphorescent molecules in molecularly doped hole transporting layer. <i>Macromolecular Symposia</i> , 2004 , 212, 509-514	0.8	2
44	Magnetic field effects on emission and current in Alq3-based electroluminescent diodes. <i>Chemical Physics Letters</i> , 2003 , 380, 710-715	2.5	283
43	The nature of emitting states in electroluminescence of polymeric films doped with anthracene and anthracene-based supramolecules. <i>Chemical Physics</i> , 2002 , 277, 387-396	2.3	27
42	Quenching effects in organic electrophosphorescence. <i>Physical Review B</i> , 2002 , 66,	3.3	269
41	Efficient exciplex emitting organic electroluminescent devices. <i>Applied Physics Letters</i> , 2002 , 80, 2401-2403	3.4	94
40	Optical and electroemission properties of thin films of supermolecular anthracene-based rotaxanes. <i>Applied Surface Science</i> , 2001 , 175-176, 369-373	6.7	7
39	Surface reactions of singlet excitons in solid films of 8-hydroxyquinoline aluminium (Alq3). <i>Chemical Physics</i> , 2001 , 266, 85-96	2.3	20
38	Thomson-Like Electron-Hole Recombination in Organic Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L282-L285	1.4	4
37	Injection-controlled electroluminescence in organic light-emitting diodes based on molecularly-doped polymers: II. Double-layer devices. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2282-2295	3.3	13
36	Injection-controlled electroluminescence in organic light-emitting diodes based on molecularly-doped polymers: I. Single-layer devices. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2274-2281	3.1	12

35	Dependence of the morphology and photoelectronic properties of some polyterthiophenes on the electropolymerisation conditions. <i>Synthetic Metals</i> , 2001 , 121, 1575-1576	3.6	3
34	Excimer-like electroluminescence from thin films of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001 , 122, 27-29	3.6	6
33	Photophysical properties of thin films and solid phase of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001 , 122, 63-65	3.6	4
32	Organic light-emitting device with a mixed ligand 8-quinolinolato aluminium chelate as emitting and electron transporting material. <i>Synthetic Metals</i> , 2001 , 123, 529-533	3.6	9
31	Multicomponent emission from organic light emitting diodes based on polymer dispersion of an aromatic diamine and an oxadiazole derivative. <i>Chemical Physics Letters</i> , 2000 , 318, 137-141	2.5	82
30	Unusual disparity in electroluminescence and photoluminescence spectra of vacuum-evaporated films of 1,1-bis ((di-4-tolylamino) phenyl) cyclohexane. <i>Applied Physics Letters</i> , 2000 , 76, 2352-2354	3.4	155
29	Light-emitting devices with a photoluminescent quinquethiophene derivative as an emitting material. <i>Synthetic Metals</i> , 2000 , 111-112, 83-86	3.6	3
28	Impact of high electric fields on the charge recombination process in organic light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2000 , 33, 2379-2387	3	89
27	A new diamine as the hole-transporting material for organic light-emitting diodes. <i>Advanced Materials for Optics and Electronics</i> , 1999 , 9, 189-194		13
26	Modified Oligothiophenes with High Photo- and Electroluminescence Efficiencies. <i>Advanced Materials</i> , 1999 , 11, 1375-1379	24	93
25	Reflection electrochromism of poly(4,4'-dipentoxy-2,2':5,5'-dithiophene). <i>Synthetic Metals</i> , 1999 , 101, 182-183	3.6	3
24	Single and double layer organic LEDs based on dipyrril-dicyano-benzene (DPDCB). <i>Synthetic Metals</i> , 1999 , 102, 1016	3.6	
23	Synthesis and optical characterization of dipyrril-dicyano-benzene (DPDCB) for organic electroluminescent devices. <i>Synthetic Metals</i> , 1999 , 102, 1017	3.6	3
22	The role played by cell configuration and layer preparation in LEDs based on hydroxyquinoline metal complexes and a triphenyl-diamine derivative (TPD). <i>Synthetic Metals</i> , 1999 , 102, 1018-1019	3.6	11
21	Poly(3-pentylmethoxythiophene)/Alq3 heterostructure light emitting diodes. <i>Synthetic Metals</i> , 1999 , 106, 183-186	3.6	15
20	Electroabsorption study of excited states in tris 8-hydroxyquinoline aluminum complex. <i>Chemical Physics Letters</i> , 1998 , 283, 373-380	2.5	60
19	Voltage-induced evolution of emission spectra in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 1998 , 83, 4242-4248	2.5	53
18	Injection and charge transport effects on electroluminescence characteristics of molecularly-doped polymer light-emitting diodes. <i>Synthetic Metals</i> , 1998 , 98, 1-8	3.6	7

17	Kinetics of charge carrier recombination in organic light-emitting diodes. <i>Applied Physics Letters</i> , 1998 , 72, 513-515	3.4	61
16	Electric field effect on luminescence efficiency in 8-hydroxyquinoline aluminum (Alq3) thin films. <i>Applied Physics Letters</i> , 1997 , 70, 1935-1937	3.4	78
15	Single layer electroluminescent devices based on molecularly doped polymer (MDP) films. <i>Synthetic Metals</i> , 1997 , 84, 379-380	3.6	4
14	Thickness effect on photoconduction spectra in solid films of C60. <i>Synthetic Metals</i> , 1997 , 86, 2339-2340	3.6	2
13	Exciton dynamics in an aromatic diamine at the interface with 8-hydroxyquinoline aluminum. <i>Chemical Physics Letters</i> , 1997 , 265, 607-613	2.5	22
12	Injection-controlled and volume-controlled electroluminescence in organic light-emitting diodes. <i>Synthetic Metals</i> , 1996 , 76, 77-83	3.6	28
11	Photoconduction in solid films of C60. <i>Synthetic Metals</i> , 1996 , 77, 181-188	3.6	19
10	Voltage-tunable-color multilayer organic light emitting diode. <i>Applied Physics Letters</i> , 1996 , 68, 2317-2319	3.4	81
9	Operation mechanisms of thin film organic electroluminescent diodes. <i>International Journal of Electronics</i> , 1996 , 81, 377-400	1.2	38
8	Electroabsorption study of excited states in hydrogen-bonding solids: epindolidione and linear trans-quinacridone. <i>Chemical Physics</i> , 1994 , 182, 341-352	2.3	33
7	Electrochemical preparation of conducting polymer composites: Poly(vinylchloride)/poly(dithienopyrrole) and poly(vinylchloride)/ poly(dithienothiophene). <i>Synthetic Metals</i> , 1993 , 57, 3495-3500	3.6	12
6	Photoconduction in Vacuum-Evaporated Films of Phenothiazine. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 228, 207-212		
5	Absorption tail photoconductivity in solid films of C60. <i>Chemical Physics Letters</i> , 1993 , 211, 580-586	2.5	16
4	Macrotrap Model for Charge-Carrier Transport in Low-Mobility Solids. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 818-831	1.4	17
3	Transient Photocurrents in Evaporated Films of Linear Trans-Quinacridone (LTQUIN). <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 211, 313-319		8
2	Photogeneration and Transport of Charge in Vacuum Sublimed Linear Trans-Quinacridone Layers. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 217, 223-229		5
1	Transient Photocurrents in Amorphous and Polycrystalline 1,5-Diphenyl-3- β -tyrlylpyrazoline (DSTP). <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 186, 115-122		