

Valeria Fattori

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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	Light-emitting devices based on organometallic platinum complexes as emitters. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2401-2425	23.2	422
87	Magnetic field effects on emission and current in Alq3-based electroluminescent diodes. <i>Chemical Physics Letters</i> , 2003 , 380, 710-715	2.5	283
86	Quenching effects in organic electrophosphorescence. <i>Physical Review B</i> , 2002 , 66,	3.3	269
85	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
84	N ² C ² 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
83	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
82	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
81	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
80	Efficient exciplex emitting organic electroluminescent devices. <i>Applied Physics Letters</i> , 2002 , 80, 2401-2403	3.4	94
79	Modified Oligothiophenes with High Photo- and Electroluminescence Efficiencies. <i>Advanced Materials</i> , 1999 , 11, 1375-1379	24	93
78	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
77	Highly efficient near-infrared organic excimer electrophosphorescent diodes. <i>Applied Physics Letters</i> , 2007 , 90, 023506	3.4	88
76	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
75	Luminescent iridium(III) complexes with N ² C ² 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	85
74	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
73	Coexistence of dissociation and annihilation of excitons on charge carriers in organic phosphorescent emitters. <i>Physical Review B</i> , 2006 , 74,	3.3	81
72	Voltage-tunable-color multilayer organic light emitting diode. <i>Applied Physics Letters</i> , 1996 , 68, 2317-2319	3.4	81

71	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
70	Color-variable highly efficient organic electrophosphorescent diodes manipulating molecular exciton and excimer emissions. <i>Applied Physics Letters</i> , 2009 , 94, 073309	3.4	76
69	Magnetic field effects on organic electrophosphorescence. <i>Physical Review B</i> , 2004 , 70,	3.3	64
68	Kinetics of charge carrier recombination in organic light-emitting diodes. <i>Applied Physics Letters</i> , 1998 , 72, 513-515	3.4	61
67	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
66	Electroabsorption study of excited states in tris 8-hydroxyquinoline aluminum complex. <i>Chemical Physics Letters</i> , 1998 , 283, 373-380	2.5	60
65	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
64	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
63	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
62	Voltage-induced evolution of emission spectra in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 1998 , 83, 4242-4248	2.5	53
61	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
60	Photophysics of an electrophosphorescent platinum (II) porphyrin in solid films. <i>Journal of Chemical Physics</i> , 2005 , 122, 154710	3.9	48
59	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
58	Highly efficient exciplex phosphorescence from organic light-emitting diodes. <i>Chemical Physics Letters</i> , 2006 , 433, 145-149	2.5	42
57	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
56	Operation mechanisms of thin film organic electroluminescent diodes. <i>International Journal of Electronics</i> , 1996 , 81, 377-400	1.2	38
55	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
54	Mechanochemical preparation of copper iodide clusters of interest for luminescent devices. <i>Faraday Discussions</i> , 2014 , 170, 93-107	3.6	32

53	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
52	Branched thiophene-based oligomers as electron acceptors for organic photovoltaics. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2220		30
51	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
50	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
49	Phosphorescence quantum yield enhanced by intermolecular hydrogen bonds in Cu ₄ I ₄ clusters in the solid state. <i>Dalton Transactions</i> , 2014 , 43, 9448-55	4.3	28
48	Injection-controlled and volume-controlled electroluminescence in organic light-emitting diodes. <i>Synthetic Metals</i> , 1996 , 76, 77-83	3.6	28
47	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
46	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
45	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
44	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
43	Exciton dynamics in an aromatic diamine at the interface with 8-hydroxyquinoline aluminium. <i>Chemical Physics Letters</i> , 1997 , 265, 607-613	2.5	22
42	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
41	Unified approach to electroluminescence efficiency in organic light-emitting diodes. <i>Organic Electronics</i> , 2010 , 11, 724-730	3.5	20
40	Surface reactions of singlet excitons in solid films of 8-hydroxyquinoline aluminium (Alq ₃). <i>Chemical Physics</i> , 2001 , 266, 85-96	2.3	20
39	Photoconduction in solid films of C ₆₀ . <i>Synthetic Metals</i> , 1996 , 77, 181-188	3.6	19
38	Macrotrap Model for Charge-Carrier Transport in Low-Mobility Solids. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 818-831	1.4	17
37	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
36	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

35	Absorption tail photoconductivity in solid films of C60. <i>Chemical Physics Letters</i> , 1993 , 211, 580-586	2.5	16
34	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
33	Poly(3-pentylmethoxythiophene)/Alq3 heterostructure light emitting diodes. <i>Synthetic Metals</i> , 1999 , 106, 183-186	3.6	15
32	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	3.2	13
31	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
30	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		12
29	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
28	Electric-field-induced quenching of photoluminescence in photoconductive organic thin film structures based on Eu3+ complexes. <i>Journal of Applied Physics</i> , 2006 , 100, 034318	2.5	11
27	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
26	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
25	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
24	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
23	Transient Photocurrents in Evaporated Films of Linear Trans-Quinacridone (LTQUIN). <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 211, 313-319		8
22	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
21	Large electric field effects on photoluminescence of organic Eu3+ complex-based electroluminescent emitters. <i>Applied Physics Letters</i> , 2006 , 88, 051102	3.4	7
20	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
19	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
18	Electro-photoluminescence in organics. <i>Chemical Physics Letters</i> , 2007 , 447, 279-283	2.5	6

17	Excimer-like electroluminescence from thin films of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001 , 122, 27-29	3.6	6
16	Photogeneration and Transport of Charge in Vacuum Sublimed Linear Trans-Quinacridone Layers. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 217, 223-229		5
15	Single layer electroluminescent devices based on molecularly doped polymer (MDP) films. <i>Synthetic Metals</i> , 1997 , 84, 379-380	3.6	4
14	Thomson-Like Electron-Hole Recombination in Organic Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L282-L285	1.4	4
13	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
12	Light-emitting devices with a photoluminescent quinquethiophene derivative as an emitting material. <i>Synthetic Metals</i> , 2000 , 111-112, 83-86	3.6	3
11	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
10	Reflection electrochromism of poly(4,4'-dipentoxy-2,2':5'2'-dithiophene). <i>Synthetic Metals</i> , 1999 , 101, 182-183	3.6	3
9	Synthesis and optical characterization of dipyrril-dicyano-benzene (DPDCB) for organic electroluminescent devices. <i>Synthetic Metals</i> , 1999 , 102, 1017	3.6	3
8	Thickness effect on photoconduction spectra in solid films of C60. <i>Synthetic Metals</i> , 1997 , 86, 2339-2340	3.6	2
7	Organic electroluminescent devices containing phosphorescent molecules in molecularly doped hole transporting layer. <i>Macromolecular Symposia</i> , 2004 , 212, 509-514	0.8	2
6	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
5	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
4	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	
3	Single and double layer organic LEDs based on dipyrril-dicyano-benzene (DPDCB). <i>Synthetic Metals</i> , 1999 , 102, 1016	3.6	
2	Photoconduction in Vacuum-Evaporated Films of Phenothiazine. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 228, 207-212		
1	Transient Photocurrents in Amorphous and Polycrystalline 1,5-Diphenyl-3-tyrlylpyrazoline (DSTP). <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 186, 115-122		