Mauro Furno

List of Publications by Year in Descending Order

37 papers	1,627 citations	20 h-index	40 g-index
40 ext. papers	1,745 ext. citations	3.8 avg, IF	4.23 L-index

#	Paper	IF	Citations
37	Molecular-scale simulation of electroluminescence in a multilayer white organic light-emitting diode. *Nature Materials*, **2013**, 12, 652-8	27	129
36	Correlation of Absorption Profile and Fill Factor in Organic Solar Cells: The Role of Mobility Imbalance. *Advanced Energy Materials*, **2013**, 3, 631-638	21.8	44
35	Investigation of triplet harvesting and outcoupling efficiency in highly efficient two-color hybrid white organic light-emitting diodes. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 1467-1475	1.6	34
34	Analysis of the external and internal quantum efficiency of multi-emitter, white organic light emitting diodes. *Applied Physics Letters*, **2012**, 101, 143304	3.4	20
33	51.2: Outcoupling Enhancement Mechanism Investigation on Highly Efficient PIN OLEDs using Crystallizing Evaporation Processed Organic Outcoupling Layers. *Digest of Technical Papers SID International Symposium*, **2012**, 43, 687-690	0.5	12
32	51.3: Top-Emitting OLEDs for Solid State Lighting: High Efficiency by Optical Modeling. *Digest of Technical Papers SID International Symposium*, **2012**, 43, 691-693	0.5	
31	Coupled plasmonic modes in organic planar microcavities. *Applied Physics Letters*, **2012**, 100, 253301	3.4	11
30	Comparing the emissive dipole orientation of two similar phosphorescent green emitter molecules in highly efficient organic light-emitting diodes. *Applied Physics Letters*, **2012**, 101, 253304	3.4	107
29	Efficiency and rate of spontaneous emission in organic electroluminescent devices. *Physical Review B*, **2012**, 85,	3.3	198
28	Transparente leitfähige Elektroden. *Vakuum in Forschung Und Praxis*, **2012**, 24, 24-31	0.3	1
27	Combined effects of microcavity and dielectric capping layer on bidirectional organic light-emitting diodes. *Optics Letters*, **2012**, 37, 2007-9	3	4
26	Organic light-emitting diodes for lighting: High color quality by controlling energy transfer processes in host-guest-systems. *Journal of Applied Physics*, **2012**, 111, 033102	2.5	41
25	Quantitative description of charge-carrier transport in a white organic light-emitting diode. *Physical Review B*, **2011**, 84,	3.3	33
24	Influence of organic capping layers on the performance of transparent organic light-emitting diodes. *Optics Letters*, **2011**, 36, 1443-5	3	28
23	Increased and balanced light emission of transparent organic light-emitting diodes by enhanced microcavity effects. *Optics Letters*, **2011**, 36, 2931-3	3	11
22	72.4: Invited Paper: Novel Approaches for OLED Lighting. *Digest of Technical Papers SID International Symposium*, **2011**, 42, 1067-1070	0.5	
21	Systematic investigation of transparent organic light-emitting diodes depending on top metal electrode thickness. *Organic Electronics*, **2011**, 12, 1383-1388	3.5	26

20	Quantitative estimation of electronic quality of zinc phthalocyanine thin films. *Physical Review B*, **2011**, 84,	3.3	8
19	Highly efficient bi-directional organic light-emitting diodes by strong micro-cavity effects. *Applied Physics Letters*, **2011**, 99, 073303	3.4	16
18	Efficiency enhancement of top-emitting organic light-emitting diodes using conversion dyes. *Journal of Applied Physics*, **2011**, 110, 083118	2.5	11
17	Highly efficient inverted top-emitting organic electroluminescent devices with doped charge transport layers **2010**,		5
16	Quantification of energy loss mechanisms in organic light-emitting diodes. *Applied Physics Letters*, **2010**, 97, 253305	3.4	272
15	Controlled current matching in small molecule organic tandem solar cells using doped spacer layers. *Journal of Applied Physics*, **2010**, 107, 044503	2.5	83
14	Selective absorption enhancement in organic solar cells using light incoupling layers. *Journal of Applied Physics*, **2010**, 107, 053117	2.5	32
13	Top-emitting organic light-emitting diodes: Influence of cavity design. *Applied Physics Letters*, **2010**, 97, 253308	3.4	97
12	Outcoupling efficiency in small-molecule OLEDs: from theory to experiment **2010**,		38
11	Numerical drift-diffusion modeling of organic solar cells in comparison with experimental data series **2010**,		1
10	Single carrier devices with electrical doped layers for the characterization of charge-carrier transport in organic thin-films. *Applied Physics Letters*, **2010**, 97, 013303	3.4	15
9	Highly efficient white organic light-emitting diodes based on fluorescent blue emitters. *Journal of Applied Physics*, **2010**, 108, 113113	2.5	76
8	Optimization of organic tandem solar cells based on small molecules **2010**,		3
7	White top-emitting organic light-emitting diodes with forward directed emission and high color quality. *Organic Electronics*, **2010**, 11, 1676-1682	3.5	61
6	Optimized efficiency and angular emission characteristics of white top-emitting organic electroluminescent diodes. *Applied Physics Letters*, **2009**, 94, 083303	3.4	117
5	. *IEEE Transactions on Electron Devices*, **2008**, 55, 3347-3353	2.9	5
4	Transfer matrix method modelling of inhomogeneous Schottky barrier diodes on silicon carbide. *Solid-State Electronics*, **2007**, 51, 466-474	1.7	22
3	. *IEEE Transactions on Electron Devices*, **2007**, 54, 1744-1752	2.9	20

2	Intrinsic 4H-SiC parameters study by temperature behaviour analysis of Schottky diodes. *Microelectronic Engineering*, **2006**, 83, 86-88	2.5	30
1	Physics-based mixed-mode reverse recovery modeling and optimization of Si PiN and MPS fast recovery diodes. *Microelectronics Journal*, **2006**, 37, 190-196	1.8	16