

# Mauro Furno

## List of Publications by Citations

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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	Quantification of energy loss mechanisms in organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 253305	3.4	272
36	Efficiency and rate of spontaneous emission in organic electroluminescent devices. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	198
35	Molecular-scale simulation of electroluminescence in a multilayer white organic light-emitting diode. <i>Nature Materials</i> , <b>2013</b> , 12, 652-8	27	129
34	Optimized efficiency and angular emission characteristics of white top-emitting organic electroluminescent diodes. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 083303	3.4	117
33	Comparing the emissive dipole orientation of two similar phosphorescent green emitter molecules in highly efficient organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 253304	3.4	107
32	Top-emitting organic light-emitting diodes: Influence of cavity design. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 253308	3.4	97
31	Controlled current matching in small molecule organic tandem solar cells using doped spacer layers. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 044503	2.5	83
30	Highly efficient white organic light-emitting diodes based on fluorescent blue emitters. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 113113	2.5	76
29	White top-emitting organic light-emitting diodes with forward directed emission and high color quality. <i>Organic Electronics</i> , <b>2010</b> , 11, 1676-1682	3.5	61
28	Correlation of Absorption Profile and Fill Factor in Organic Solar Cells: The Role of Mobility Imbalance. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 631-638	21.8	44
27	Organic light-emitting diodes for lighting: High color quality by controlling energy transfer processes in host-guest-systems. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 033102	2.5	41
26	Outcoupling efficiency in small-molecule OLEDs: from theory to experiment <b>2010</b> ,		38
25	Investigation of triplet harvesting and outcoupling efficiency in highly efficient two-color hybrid white organic light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 1467-1475	1.6	34
24	Quantitative description of charge-carrier transport in a white organic light-emitting diode. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	33
23	Selective absorption enhancement in organic solar cells using light incoupling layers. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 053117	2.5	32
22	Intrinsic 4H-SiC parameters study by temperature behaviour analysis of Schottky diodes. <i>Microelectronic Engineering</i> , <b>2006</b> , 83, 86-88	2.5	30
21	Influence of organic capping layers on the performance of transparent organic light-emitting diodes. <i>Optics Letters</i> , <b>2011</b> , 36, 1443-5	3	28

20	Systematic investigation of transparent organic light-emitting diodes depending on top metal electrode thickness. <i>Organic Electronics</i> , <b>2011</b> , 12, 1383-1388	3.5	26
19	Transfer matrix method modelling of inhomogeneous Schottky barrier diodes on silicon carbide. <i>Solid-State Electronics</i> , <b>2007</b> , 51, 466-474	1.7	22
18	Analysis of the external and internal quantum efficiency of multi-emitter, white organic light emitting diodes. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 143304	3.4	20
17	. <i>IEEE Transactions on Electron Devices</i> , <b>2007</b> , 54, 1744-1752	2.9	20
16	Highly efficient bi-directional organic light-emitting diodes by strong micro-cavity effects. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 073303	3.4	16
15	Physics-based mixed-mode reverse recovery modeling and optimization of Si PiN and MPS fast recovery diodes. <i>Microelectronics Journal</i> , <b>2006</b> , 37, 190-196	1.8	16
14	Single carrier devices with electrical doped layers for the characterization of charge-carrier transport in organic thin-films. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 013303	3.4	15
13	51.2: Outcoupling Enhancement Mechanism Investigation on Highly Efficient PIN OLEDs using Crystallizing Evaporation Processed Organic Outcoupling Layers. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 687-690	0.5	12
12	Coupled plasmonic modes in organic planar microcavities. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 253301	3.4	11
11	Increased and balanced light emission of transparent organic light-emitting diodes by enhanced microcavity effects. <i>Optics Letters</i> , <b>2011</b> , 36, 2931-3	3	11
10	Efficiency enhancement of top-emitting organic light-emitting diodes using conversion dyes. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 083118	2.5	11
9	Quantitative estimation of electronic quality of zinc phthalocyanine thin films. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	8
8	Highly efficient inverted top-emitting organic electroluminescent devices with doped charge transport layers <b>2010</b> ,		5
7	. <i>IEEE Transactions on Electron Devices</i> , <b>2008</b> , 55, 3347-3353	2.9	5
6	Combined effects of microcavity and dielectric capping layer on bidirectional organic light-emitting diodes. <i>Optics Letters</i> , <b>2012</b> , 37, 2007-9	3	4
5	Optimization of organic tandem solar cells based on small molecules <b>2010</b> ,		3
4	Transparente leitfähige Elektroden. <i>Vakuum in Forschung Und Praxis</i> , <b>2012</b> , 24, 24-31	0.3	1
3	Numerical drift-diffusion modeling of organic solar cells in comparison with experimental data series <b>2010</b> ,		1

- 2 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
- 1 72.4: Invited Paper: Novel Approaches for OLED Lighting. *Digest of Technical Papers SID International Symposium*, **2011**, 42, 1067-1070 0.5