

Jean-Michel Nunzi

List of Publications by Citations

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48
papers

2,364
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h-index

48
g-index

48
ext. papers

2,506
ext. citations

4.1
avg, IF

5.03
L-index

#	Paper	IF	Citations
48	How to model the behaviour of organic photovoltaic cells. <i>Polymer International</i> , 2006 , 55, 583-600	3.3	329
47	Organic photovoltaic materials and devices. <i>Comptes Rendus Physique</i> , 2002 , 3, 523-542	1.4	259
46	A nonvolatile memory element based on an organic field-effect transistor. <i>Applied Physics Letters</i> , 2004 , 85, 1823-1825	3.4	169
45	Development of air stable polymer solar cells using an inverted gold on top anode structure. <i>Thin Solid Films</i> , 2005 , 476, 340-343	2.2	157
44	First evidence of stimulated emission from a monolithic organic single crystal: β -Octithiophene. <i>Advanced Materials</i> , 1997 , 9, 1178-1181	24	133
43	Quasi-permanent all-optical encoding of noncentrosymmetry in azo-dye polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 1984	1.7	130
42	Anisotropy of the photoinduced translation diffusion of azo-dyes. <i>Optical Materials</i> , 1998 , 9, 323-328	3.3	111
41	Efficient polymer-based interpenetrated network photovoltaic cells. <i>Applied Physics Letters</i> , 2004 , 84, 2178-2180	3.4	106
40	Picosecond photoinduced dichroism in solutions of thiophene oligomers. <i>Chemical Physics Letters</i> , 1992 , 192, 566-570	2.5	92
39	Efficient flexible and thermally stable pentacene/C60 small molecule based organic solar cells. <i>Applied Physics Letters</i> , 2006 , 89, 213506	3.4	90
38	β -Sexithiophene; A new photochromic material for a prototype ultrafast incoherent-to-coherent optical converter. <i>Advanced Materials</i> , 1994 , 6, 64-67	24	79
37	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. <i>Applied Physics Letters</i> , 2006 , 89, 113506	3.4	64
36	Organic solar cell materials and active layer designs—Improvements with carbon nanotubes: a review. <i>Polymer International</i> , 2012 , 61, 342-354	3.3	60
35	Upconversion injection in rubrene/perylene-diimide-heterostructure electroluminescent diodes. <i>Applied Physics Letters</i> , 2007 , 90, 263508	3.4	54
34	Enhanced organic light emitting diode and solar cell performances using silver nano-clusters. <i>Organic Electronics</i> , 2012 , 13, 1623-1632	3.5	52
33	Ambipolar organic field-effect transistor fabricated by co-evaporation of pentacene and N,N'-ditridecylperylene-3,4,9,10-tetracarboxylic diimide. <i>Chemical Physics Letters</i> , 2006 , 421, 554-557	2.5	46
32	Effect of metal cathode reflectance on the exciton-dissociation efficiency in heterojunction organic solar cells. <i>Applied Physics Letters</i> , 2009 , 94, 103303	3.4	45

31	Spontaneous photoinduced patterning of azo-dye polymer films: the facts. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 1839	1.7	41
30	Polymer thin-film distributed feedback tunable lasers. <i>Journal of Optics</i> , 2000 , 2, 279-283		40
29	Pentacene/perylene co-deposited solar cells. <i>Thin Solid Films</i> , 2006 , 511-512, 529-532	2.2	39
28	Photovoltaic properties of Schottky and p-n type solar cells based on polythiophene. <i>Journal of Applied Physics</i> , 2001 , 90, 1047-1054	2.5	31
27	Picosecond photoinduced dichroism in sexithiophene thin films. <i>Chemical Physics Letters</i> , 1993 , 215, 114-119	2.1	22
26	All-optical manipulation of azo-dye molecules. <i>Macromolecular Symposia</i> , 1999 , 137, 105-113	0.8	20
25	A nonvolatile memory element based on a quaterthiophene field-effect transistor. <i>Materials Letters</i> , 2005 , 59, 1165-1168	3.3	19
24	Synthesis, characterization and photovoltaic performance of novel glass-forming perylenediimide derivatives. <i>Organic Electronics</i> , 2016 , 34, 146-156	3.5	18
23	Influence of the dopant concentration on structural, optical and photovoltaic properties of Cu-doped ZnS nanocrystals based bulk heterojunction hybrid solar cells. <i>EPJ Applied Physics</i> , 2017 , 78, 34811	1.1	17
22	Effect of thermal annealing on the electrical properties of P3HT:PC70BM nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2015 , 39, 575-581	4.3	15
21	Air stable hybrid inverted tandem solar cell design. <i>Applied Physics Letters</i> , 2011 , 99, 063301	3.4	13
20	Molecular engineering of organic materials for nonlinear absorption in the visible range: the excited states of tetraphenyl-diamine derivatives. <i>Journal of Optics</i> , 2000 , 2, 268-271		12
19	Solid-state showdown: Comparing the photovoltaic performance of amorphous and crystalline small-molecule diketopyrrolopyrrole acceptors. <i>Organic Electronics</i> , 2017 , 48, 230-240	3.5	11
18	Photoinduction of spontaneous surface relief gratings on Azo DR1 glass. <i>Optics Letters</i> , 2016 , 41, 2958-61		11
17	One- and two-photon stimulated emission in oligothiophenes single crystals. <i>Optical Materials</i> , 1999 , 12, 255-259	3.3	11
16	Efficiency enhancement of ternary blend organic photovoltaic cells with molecular glasses as guest acceptors. <i>Organic Electronics</i> , 2018 , 53, 74-82	3.5	11
15	Optimization of an ultrafast OASLM using photoexcitations in organic thin films : the incoherent-to-coherent conversion efficiency of spectral concentration. <i>Journal De Physique III</i> , 1993 , 3, 1401-1411		10
14	Towards amorphous solution-processed small-molecule photovoltaic cells by design. <i>Organic Electronics</i> , 2017 , 49, 382-392	3.5	9

13	Photo-induced microstructured polymers for the optimisation and control of organic devices emission properties. <i>Synthetic Metals</i> , 2002 , 127, 75-79	3.6	8
12	Instantaneous photoinduced patterning of an azopolymer colloidal nanosphere assembly. <i>Optical Materials Express</i> , 2016 , 6, 2925	2.6	6
11	One- and two-photon picosecond excitation dynamics of the singlet states of a tetraphenyl-diamine derivative in solution. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 1581-1591	1.3	5
10	Anisotropy of the photo-induced translation diffusion of azobenzene dyes 1997 , 2998, 304		4
9	A common optical approach to thickness optimization in polymer and perovskite solar cells. <i>Scientific Reports</i> , 2021 , 11, 5005	4.9	4
8	Conjugated Thiophene Oligomers as Efficient Photochromic Materials for Ultrafast Spatial Light Modulation. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 255, 73-84		3
7	Three photon absorption detection using polymer photo-diodes 2013 ,		2
6	Limits of the use of polymer thin films for spatial light modulation 1996 , 2969, 138		2
5	Organic Materials And Devices For Photovoltaic Applications 2002 , 197-224		1
4	Evidence for Photoinduced Molecular Migration Mediated Surface-Relief Grating Formation in Azo-Dye Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 353, 427-434		1
3	Paste Aging Spontaneously Tunes TiO Nanoparticles into Reproducible Electrospayed Photoelectrodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53758-53766	9.5	1
2	Revisiting the Optimal Nano-Morphology: Towards Amorphous Organic Photovoltaics. <i>Chemical Record</i> , 2019 , 19, 1028-1038	6.6	1
1	Increase of open circuit voltage of polymer bulk heterojunction solar cell by functionalized single walled carbon nanotubes. <i>International Journal of Higher Education Management</i> , 2015 , 1, 59-64	1	0