

Jean-Michel Nunzi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10552990/publications.pdf>

Version: 2024-02-01

48
papers

2,634
citations

279701

23
h-index

243529

44
g-index

48
all docs

48
docs citations

48
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	How to model the behaviour of organic photovoltaic cells. <i>Polymer International</i> , 2006, 55, 583-600.	1.6	358
2	Organic photovoltaic materials and devices. <i>Comptes Rendus Physique</i> , 2002, 3, 523-542.	0.3	297
3	A nonvolatile memory element based on an organic field-effect transistor. <i>Applied Physics Letters</i> , 2004, 85, 1823-1825.	1.5	182
4	Development of air stable polymer solar cells using an inverted gold on top anode structure. <i>Thin Solid Films</i> , 2005, 476, 340-343.	0.8	164
5	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.	0.9	152
6	First evidence of stimulated emission from a monolithic organic single crystal: β -Octithiophene. <i>Advanced Materials</i> , 1997, 9, 1178-1181.	11.1	148
7	Anisotropy of the photoinduced translation diffusion of azo-dyes. <i>Optical Materials</i> , 1998, 9, 323-328.	1.7	123
8	Efficient polymer-based interpenetrated network photovoltaic cells. <i>Applied Physics Letters</i> , 2004, 84, 2178-2180.	1.5	121
9	Picosecond photoinduced dichroism in solutions of thiophene oligomers. <i>Chemical Physics Letters</i> , 1992, 192, 566-570.	1.2	96
10	β -Sexithiophene; A new photochromic material for a prototype ultrafast incoherent-to-coherent optical converter. <i>Advanced Materials</i> , 1994, 6, 64-67.	11.1	94
11	Efficient flexible and thermally stable pentacene/C60 small molecule based organic solar cells. <i>Applied Physics Letters</i> , 2006, 89, 213506.	1.5	94
12	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. <i>Applied Physics Letters</i> , 2006, 89, 113506.	1.5	69
13	Organic solar cell materials and active layer designs – improvements with carbon nanotubes: a review. <i>Polymer International</i> , 2012, 61, 342-354.	1.6	69
14	Enhanced organic light emitting diode and solar cell performances using silver nano-clusters. <i>Organic Electronics</i> , 2012, 13, 1623-1632.	1.4	58
15	Upconversion injection in rubrene/perylene-diimide-heterostructure electroluminescent diodes. <i>Applied Physics Letters</i> , 2007, 90, 263508.	1.5	57
16	Effect of metal cathode reflectance on the exciton-dissociation efficiency in heterojunction organic solar cells. <i>Applied Physics Letters</i> , 2009, 94, 103303.	1.5	50
17	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.	0.9	48
18	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.	1.2	47

#	ARTICLE	IF	CITATIONS
19	Polymer thin-film distributed feedback tunable lasers. <i>Journal of Optics</i> , 2000, 2, 279-283.	1.5	44
20	Pentacene/perylene co-deposited solar cells. <i>Thin Solid Films</i> , 2006, 511-512, 529-532.	0.8	41
21	Photovoltaic properties of Schottky and p-n type solar cells based on polythiophene. <i>Journal of Applied Physics</i> , 2001, 90, 1047-1054.	1.1	36
22	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.	0.3	25
23	Picosecond photoinduced dichroism in sexithiophene thin films. <i>Chemical Physics Letters</i> , 1993, 215, 114-119.	1.2	24
24	All-optical manipulation of azo-dye molecules. <i>Macromolecular Symposia</i> , 1999, 137, 105-113.	0.4	21
25	A nonvolatile memory element based on a quaterthiophene field-effect transistor. <i>Materials Letters</i> , 2005, 59, 1165-1168.	1.3	20
26	Synthesis, characterization and photovoltaic performance of novel glass-forming perylenediimide derivatives. <i>Organic Electronics</i> , 2016, 34, 146-156.	1.4	20
27	Effect of thermal annealing on the electrical properties of P3HT:PC70BM nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 575-581.	1.9	19
28	Air stable hybrid inverted tandem solar cell design. <i>Applied Physics Letters</i> , 2011, 99, 063301.	1.5	14
29	Solid-state showdown: Comparing the photovoltaic performance of amorphous and crystalline small-molecule diketopyrrolopyrrole acceptors. <i>Organic Electronics</i> , 2017, 48, 230-240.	1.4	14
30	Efficiency enhancement of ternary blend organic photovoltaic cells with molecular glasses as guest acceptors. <i>Organic Electronics</i> , 2018, 53, 74-82.	1.4	14
31	One- and two-photon stimulated emission in oligothiophenes single crystals. <i>Optical Materials</i> , 1999, 12, 255-259.	1.7	13
32	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.	1.5	13
33	Photoinduction of spontaneous surface relief gratings on Azo DR1 glass. <i>Optics Letters</i> , 2016, 41, 2958.	1.7	13
34	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.	0.3	12
35	Photo-induced microstructured polymers for the optimisation and control of organic devices emission properties. <i>Synthetic Metals</i> , 2002, 127, 75-79.	2.1	11
36	Towards amorphous solution-processed small-molecule photovoltaic cells by design. <i>Organic Electronics</i> , 2017, 49, 382-392.	1.4	10

#	ARTICLE	IF	CITATIONS
37	A common optical approach to thickness optimization in polymer and perovskite solar cells. Scientific Reports, 2021, 11, 5005.	1.6	8
38	Instantaneous photoinduced patterning of an azopolymer colloidal nanosphere assembly. Optical Materials Express, 2016, 6, 2925.	1.6	7
39	One- and two-photon picosecond excitation dynamics of the singlet states of a tetraphenyl-diamine derivative in solution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1581-1591.	0.6	5
40	<title>Anistropy of the photo-induced translation diffusion of azobenzene dyes</title>. , 1997, 2998, 304.		4
41	Organic Materials And Devices For Photovoltaic Applications. , 2002, , 197-224.		4
42	Conjugated Thiophene Oligomers as Efficient Photochromic Materials for Ultrafast Spatial Light Modulation. Molecular Crystals and Liquid Crystals, 1994, 255, 73-84.	0.3	3
43	Revisiting the Optimal Nano-Morphology: Towards Amorphous Organic Photovoltaics. Chemical Record, 2019, 19, 1028-1038.	2.9	3
44	Paste Aging Spontaneously Tunes TiO ₂ Nanoparticles into Reproducible Electrospayed Photoelectrodes. ACS Applied Materials & Interfaces, 2021, 13, 53758-53766.	4.0	3
45	<title>Limits of the use of polymer thin films for spatial light modulation</title>. , 1996, 2969, 138.		2
46	Three photon absorption detection using polymer photo-diodes. , 2013, , .		2
47	Evidence for Photoinduced Molecular Migration Mediated Surface-Relief Grating Formation in Azo-Dye Polymers. Molecular Crystals and Liquid Crystals, 2000, 353, 427-434.	0.3	1
48	Increase of open circuit voltage of polymer bulk heterojunction solar cell by functionalized single walled carbon nanotubes. International Journal of Higher Education Management, 2015, 1, 59-64.	1.0	1