Jean Michel Nunzi

List of Publications by Citations

304 papers	6,902 citations	45 h-index	71 g-index
364 ext. papers	7,580 ext. citations	3.8 avg, IF	5.98 L-index

#	Paper	IF	Citations
304	How to model the behaviour of organic photovoltaic cells. *Polymer International*, **2006**, 55, 583-600	3.3	329
303	Organic photovoltaic materials and devices. *Comptes Rendus Physique*, **2002**, 3, 523-542	1.4	259
302	Anisotropy of the photo-induced translation diffusion of azobenzene dyes in polymer matrices. *Journal of Optics*, **1998**, 7, 71-82		257
301	Light-induced second-harmonic generation in azo-dye polymers. *Optics Letters*, **1993**, 18, 941-3	3	172
300	A nonvolatile memory element based on an organic field-effect transistor. *Applied Physics Letters*, **2004**, 85, 1823-1825	3.4	169
299	Development of air stable polymer solar cells using an inverted gold on top anode structure. *Thin Solid Films*, **2005**, 476, 340-343	2.2	157
298	First evidence of stimulated emission from a monolithic organic single crystal: α-Octithiophene. *Advanced Materials*, **1997**, 9, 1178-1181	24	133
297	Quasi-permanent all-optical encoding of noncentrosymmetry in azo-dye polymers. *Journal of the Optical Society of America B: Optical Physics*, **1997**, 14, 1984	1.7	130
296	Organic materials for photovoltaic applications: Review and mechanism. *Synthetic Metals*, **2014**, 190, 20-26	3.6	120
295	Anisotropy of the photoinduced translation diffusion of azo-dyes. *Optical Materials*, **1998**, 9, 323-328	3.3	111
294	Efficient polymer-based interpenetrated network photovoltaic cells. *Applied Physics Letters*, **2004**, 84, 2178-2180	3.4	106
293	Rubrene/Fullerene Heterostructures with a Half-Gap Electroluminescence Threshold and Large Photovoltage. *Advanced Materials*, **2007**, 19, 3613-3617	24	94
292	Spontaneous Patterning of Hexagonal Structures in an Azo-Polymer Using Light-Controlled Mass Transport. *Advanced Materials*, **2002**, 14, 729	24	93
291	Picosecond photoinduced dichroism in solutions of thiophene oligomers. *Chemical Physics Letters*, **1992**, 192, 566-570	2.5	92
290	Efficient flexible and thermally stable pentacene/C60 small molecule based organic solar cells. *Applied Physics Letters*, **2006**, 89, 213506	3.4	90
289	Molecular migration mechanism for laser induced surface relief grating formation. *Synthetic Metals*, **2000**, 115, 121-125	3.6	90
288	α-Sexithiopene; A new photochromic material for a prototype ultrafast incoherent-to-coherent optical converter. *Advanced Materials*, **1994**, 6, 64-67	24	79

287	Laser emission in periodically modulated polymer films. *Journal of Applied Physics*, **2001**, 89, 3067-3069	2.5	73
286	Picosecond phase conjugation in polydiacetylene gels. *Journal of Applied Physics*, **1987**, 62, 2198-2202	2.5	68
285	Light-induced second-harmonic generation in an octupolar dye. *Optics Letters*, **1995**, 20, 2469	3	66
284	Electrode interface effects on indium tin oxide polymer/metal light emitting diodes. *Applied Physics Letters*, **1996**, 69, 1071-1073	3.4	66
283	Six-wave mixing probe of light-induced second-harmonic generation: example of dye solutions. *Journal of the Optical Society of America B: Optical Physics*, **1994**, 11, 2347	1.7	66
282	Picosecond light-induced noncentrosymmetry in a dye solution. *Physical Review Letters*, **1992**, 68, 2440-2443	7.4	66
281	Improving the current density Jsc of organic solar cells P3HT:PCBM by structuring the photoactive layer with functionalized SWCNTs. *Solar Energy Materials and Solar Cells*, **2011**, 95, S53-S56	6.4	64
280	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. *Applied Physics Letters*, **2006**, 89, 113506	3.4	64
279	Optical limiting in the visible range: molecular engineering around N4,N4?-bis(4-methoxyphenyl)-N4,N4?-diphenyl-4,4?-diaminobiphenyl. *Journal of Materials Chemistry*, **2003**, 13, 2157-2163		63
278	Second harmonic generation in zinc oxide nanorods. *Applied Physics B: Lasers and Optics*, **2006**, 84, 351-355	1.9	61
277	Transient optically induced non-centrosymmetry in a solution of octupolar molecules. *Chemical Physics Letters*, **1994**, 219, 349-354	2.5	61
276	Organic solar cell materials and active layer designs improvements with carbon nanotubes: a review. *Polymer International*, **2012**, 61, 342-354	3.3	60
275	Improved performance of pentacene field-effect transistors using a polyimide gate dielectric layer. *Journal Physics D: Applied Physics*, **2005**, 38, 1148-1151	3	60
274	Third-order nonlinear optical properties and two-photon absorption in branched oligothienylenevinylenes. *Optics Communications*, **2002**, 209, 461-466	2	59
273	Phase and frequency resolution of picosecond optical Kerr nonlinearities. *Optics Letters*, **1991**, 16, 1987-9	3	59
272	Size effect on organic optoelectronics devices: Example of photovoltaic cell efficiency. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 1333-1336	2.3	58
271	Upconversion injection in rubrene/perylene-diimide-heterostructure electroluminescent diodes. *Applied Physics Letters*, **2007**, 90, 263508	3.4	54
270	Nanocomposite hole injection layer for organic device applications. *Thin Solid Films*, **2005**, 492, 253-258	2.2	53

269	Enhanced organic light emitting diode and solar cell performances using silver nano-clusters. *Organic Electronics*, **2012**, 13, 1623-1632	3.5	52
268	Disperse and disordered: a mexylaminotriazine-substituted azobenzene derivative with superior glass and surface relief grating formation. *Journal of Materials Chemistry C*, **2014**, 2, 841-847	7.1	51
267	Efficient all-optical poling of an azo-dye copolymer using a low power laser. *Optics Communications*, **1996**, 126, 103-107	2	51
266	Phase separation in polystyrene-poly(vinylmethylether) blends: a a fluorescence emission analysis. *Polymer*, **1984**, 25, 956-962	3.9	51
265	Two-photon absorption in non-centrosymmetric dyes. *Chemical Physics*, **1997**, 219, 341-351	2.3	50
264	Quasi-phase-matched gratings printed by all-optical poling in polymer films. *Optics Letters*, **2002**, 27, 2028-30	3	48
263	Donor□cceptor complexes incorporating ferrocenes: spectroelectrochemical characterisation, quadratic hyperpolarisabilities and the effects of oxidising and reducing agents. *Dalton Transactions RSC*, **2001**, 3025-3038		48
262	Amphiphilic Phenylene□thynylene Oligomers in Langmuir□lodgett Films. Self-Assembling Multilayers for Electroluminescent Devices. *Langmuir*, **2000**, 16, 4309-4318	4	47
261	Nonlinear Optical Signatures of the Transition from Semiconductor to Semimetal in PtSe2. *Laser and Photonics Reviews*, **2019**, 13, 1900052	8.3	46
260	Ambipolar organic field-effect transistor fabricated by co-evaporation of pentacene and N,N?-ditridecylperylene-3,4,9,10-tetracarboxylic diimide. *Chemical Physics Letters*, **2006**, 421, 554-557	2.5	46
259	Effect of metal cathode reflectance on the exciton-dissociation efficiency in heterojunction organic solar cells. *Applied Physics Letters*, **2009**, 94, 103303	3.4	45
258	Isomerization-induced dynamic heterogeneity in a glass former below and above T(g). *Physical Review Letters*, **2009**, 103, 265701	7.4	44
257	Effect of coumarin on blue light-emitting diodes based on carbazol polymers. *Journal of Applied Physics*, **1998**, 83, 4236-4241	2.5	43
256	Photovoltaic performance of AgInSe2-conjugated polymer hybrid system bulk heterojunction solar cells. *Synthetic Metals*, **2015**, 199, 87-92	3.6	42
255	Spontaneous photoinduced patterning of azo-dye polymer films: the facts. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 1839	1.7	41
254	Polymer thin-film distributed feedback tunable lasers. *Journal of Optics*, **2000**, 2, 279-283		40
253	Dynamics and efficiency of all-optical poling in polymers. *Chemical Physics Letters*, **1998**, 286, 415-420	2.5	39
252	Pentacene/perylene co-deposited solar cells. *Thin Solid Films*, **2006**, 511-512, 529-532	2.2	39

251	Fabrication of planar heterojunction CsPbBr2I perovskite solar cells using ZnO as an electron transport layer and improved solar energy conversion efficiency. *New Journal of Chemistry*, **2018**, 42, 14104-14110	3.6	38
250	An isomerization-induced cage-breaking process in a molecular glass former below T(g). *Journal of Chemical Physics*, **2011**, 134, 114517	3.9	37
249	Controlling the optical properties of a conjugated co-polymer through variation of backbone isomerism and the introduction of carbon nanotubes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2001**, 144, 31-41	4.7	37
248	Influence of the polymer dielectric characteristics on the performance of a quaterthiophene organic field-effect transistor. *Journal of Materials Science*, **2006**, 41, 317-322	4.3	36
247	Distributed feedback laser action from polymeric waveguides doped with oligo phenylene vinylene model compounds. *Applied Physics Letters*, **2000**, 76, 2149-2151	3.4	35
246	Phase-coherent control of the molecular polar order in polymers using dual-frequency interferences between circularly polarized beams. *Physical Review A*, **1997**, 56, 3888-3896	2.6	34
245	Charge transfer in triaryl pyrylium cations. Theoretical and experimental study. *Chemical Physics*, **1994**, 182, 69-80	2.3	34
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242	Multistate polarization addressing using a single beam in an azo polymer film. *Optics Letters*, **2005**, 30, 1986-8	3	33
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236	Spontaneous formation of optically induced surface relief gratings. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 205401	1.3	27
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234	Molecular rectification in oriented polymer structures. *Advanced Materials*, **1997**, 9, 809-811	24	26

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232	The benefits of ionic liquids for the fabrication of efficient and stable perovskite photovoltaics. *Chemical Engineering Journal*, **2021**, 411, 128461	14.7	25
231	Surface relief grating growth in thin films of mexylaminotriazine-functionalized glass-forming azobenzene derivatives. *New Journal of Chemistry*, **2015**, 39, 9162-9170	3.6	24
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224	Interfacial modification of the electron collecting layer of low-temperature solution-processed organometallic halide photovoltaic cells using an amorphous perylenediimide. *Solar Energy Materials and Solar Cells*, **2017**, 160, 294-300	6.4	22
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222	Determination of the two-photon absorption spectrum of a soluble polythiophene. *Chemical Physics Letters*, **1993**, 201, 357-363	2.5	22
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218	Reverse biased annealing: Effective post treatment tool for polymer/nano-composite solar cells. *Organic Electronics*, **2007**, 8, 396-400	3.5	21
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175	Picosecond excited states in poly(aryleneethynylene) s. *Chemical Physics Letters*, **1997**, 275, 103-107	2.5	12
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