

Jean Michel Nunzi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Reproducible perovskite solar cells using a simple solvent-mediated sol-gel synthesized NiO x hole transport layer. <i>Applied Physics Express</i> , 2022 , 15, 015504	2.4	1
303	Organometal halide perovskite photovoltaics 2022 , 273-317		0
302	Paste Aging Spontaneously Tunes TiO Nanoparticles into Reproducible Electrospayed Photoelectrodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53758-53766	9.5	1
301	Single-Crystal Bismuth Thiophosphate, BiPS, as a Nontoxic and Mechanically Robust X-ray Detector. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56296-56301	9.5	0
300	Self-assembly, stability, and photoresponse of PbS quantum dot films capped with mixed halide perovskite ligands. <i>Materials Research Bulletin</i> , 2021 , 147, 111648	5.1	2
299	It is an All-Rounder! On the Development of Metal Halide Perovskite-Based Fluorescent Sensors and Radiation Detectors. <i>Advanced Optical Materials</i> , 2021 , 9, 2101276	8.1	9
298	Mechanical strength characterization and modeling of hydroxyapatite/tricalcium phosphate biocomposite using the diametral-compression test. <i>EPJ Applied Physics</i> , 2021 , 93, 30403	1.1	0
297	A Substitutive Coefficients Network for the Modelling of Thermal Systems: A Mono-Zone Building Case Study. <i>Energies</i> , 2021 , 14, 2551	3.1	
296	Ionic Liquid-Assisted MAPbI Nanoparticle-Seeded Growth for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21194-21206	9.5	20
295	Effect of the surface chemistry on the stability and mechanical properties of the Zirconia-Hydroxyapatite bioceramic. <i>Surfaces and Interfaces</i> , 2021 , 23, 100980	4.1	0
294	Pyrimidine-Based PushPull Systems with a New Anchoring Amide Group for Dye-Sensitized Solar Cells. <i>Electronic Materials</i> , 2021 , 2, 142-153	0.8	4
293	The benefits of ionic liquids for the fabrication of efficient and stable perovskite photovoltaics. <i>Chemical Engineering Journal</i> , 2021 , 411, 128461	14.7	25
292	Photocatalytic degradation of emerging antibiotic pollutants in waters by TiO ₂ /Hydroxyapatite nanocomposite materials. <i>Surfaces and Interfaces</i> , 2021 , 24, 101155	4.1	12
291	Characterization and valorization of natural phosphate in removing of heavy metals and toxic organic species from water. <i>Journal of African Earth Sciences</i> , 2021 , 173, 104022	2.2	1
290	Mesoporous nanocrystalline sulfonated hydroxyapatites enhance heavy metal removal and antimicrobial activity. <i>Separation and Purification Technology</i> , 2021 , 255, 117777	8.3	10
289	Electrical and dielectric behaviors of thermally treated phosphate minerals. <i>Solid State Sciences</i> , 2021 , 111, 106440	3.4	0
288	Spray Pyrolyzed TiO Embedded Multi-Layer Front Contact Design for High-Efficiency Perovskite Solar Cells. <i>Nano-Micro Letters</i> , 2021 , 13, 36	19.5	21

287	Efficient FAPbI ₃ /PbS quantum dot graphene-based phototransistors. <i>New Journal of Chemistry</i> , 2021 , 45, 15285-15293	3.6	1
286	Low-cost molecular glass hole transport material for perovskite solar cells. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, SBBF12	1.4	2
285	A common optical approach to thickness optimization in polymer and perovskite solar cells. <i>Scientific Reports</i> , 2021 , 11, 5005	4.9	4
284	Nonlinear optical fullerene and graphene-based polymeric 1D photonic crystals: perspectives for slow and fast optical bistability. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, C1987	1.7	1
283	Double-layer CsI intercalation into an MAPbI ₃ framework for efficient and stable perovskite solar cells. <i>Nano Energy</i> , 2021 , 86, 106135	17.1	9
282	Reducing the efficiency roll-off in organic light-emitting diodes at high currents under external magnetic fields. <i>Organic Electronics</i> , 2021 , 96, 106231	3.5	0
281	Extending the absorption band from infrared to ultraviolet using the ITO transition from reflection to transparency. <i>EPJ Applied Physics</i> , 2021 , 96, 10501	1.1	
280	Low-temperature treated anatase TiO ₂ nanophotonic-structured contact design for efficient triple-cation perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021 , 426, 131831	14.7	9
279	Advanced materials for energy harvesting, storage, sensing and environmental engineering II. <i>EPJ Applied Physics</i> , 2021 , 93, 10902	1.1	1
278	Metal Oxide Compact Electron Transport Layer Modification for Efficient and Stable Perovskite Solar Cells. <i>Materials</i> , 2020 , 13,	3.5	25
277	Solution Processing and Self-Organization of PbS Quantum Dots Passivated with Formamidinium Lead Iodide (FAPbI). <i>ACS Omega</i> , 2020 , 5, 15746-15754	3.9	5
276	Hydrophobic chemical surface functionalization of hydroxyapatite nanoparticles for naphthalene removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 595, 124706	5.1	8
275	Electronic Transport in the Biopigment Sepia Melanin.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5244-5252	4.1	13
274	A new in situ enhancement of the hydroxyapatite surface by Tyramine: Preparation and interfacial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 592, 124590	5.1	1
273	Capture and light-induced release of antibiotics by an azo dye polymer. <i>Scientific Reports</i> , 2020 , 10, 32674.9	4.9	4
272	Dibenzo[<i>h</i>]furazano[3,4- <i>g</i>]quinoxalines: Synthesis by Intramolecular Cyclization through Direct Transition Metal-Free C-H Functionalization and Electrochemical, Photophysical, and Charge Mobility Characterization. <i>ACS Omega</i> , 2020 , 5, 8200-8210	3.9	2
271	Growth and organization of (3-Trimethoxysilylpropyl) diethylenetriamine within reactive amino-terminated self-assembled monolayer on silica. <i>Applied Surface Science</i> , 2020 , 508, 145210	6.7	9
270	Ag nanoparticle-based efficiency enhancement in an inverted organic solar cell. <i>EPJ Applied Physics</i> , 2020 , 90, 30201	1.1	2

269	Low-Temperature Processed TiO Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
268	Switchable Crystal Phase and Orientation of Evaporated Zinc Phthalocyanine Films for Efficient Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21338-21345	3.8	4
267	. <i>IEEE Sensors Journal</i> , 2020 , 1-1	4	2
266	Benzo[<i>b</i>]selenophene/thieno[3,2-]indole-Based N,S,Se-Heteroacenes for Hole-Transporting Layers. <i>ACS Omega</i> , 2020 , 5, 9377-9383	3.9	7
265	Foreword: materials for energy harvesting, conversion and storage (ICOME 2017). <i>EPJ Applied Physics</i> , 2019 , 85, 20901	1.1	2
264	Enhanced near-infrared electroluminescence from a neodymium complex in organic light-emitting diodes with a solution-processed exciplex host. <i>Applied Physics Letters</i> , 2019 , 114, 033301	3.4	10
263	3D hybrid perovskite solid solutions: a facile approach for deposition of nanoparticles and thin films via B-site substitution. <i>New Journal of Chemistry</i> , 2019 , 43, 5448-5454	3.6	2
262	Copper oxide nanoparticle doped bulk-heterojunction photovoltaic devices. <i>Synthetic Metals</i> , 2019 , 252, 21-28	3.6	13
261	Development of sulfonate-functionalized hydroxyapatite nanoparticles for cadmium removal from aqueous solutions. <i>Colloids and Interface Science Communications</i> , 2019 , 30, 100178	5.4	27
260	Synthesis, characterization and photovoltaic applications of noble metal-doped ZnS quantum dots. <i>Chinese Journal of Physics</i> , 2019 , 58, 348-362	3.5	20
259	Capacitance performance of NiO thin films synthesized by direct and pulse potentiostatic methods. <i>Ionics</i> , 2019 , 25, 6025-6033	2.7	14
258	Nonlinear Optical Signatures of the Transition from Semiconductor to Semimetal in PtSe ₂ . <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900052	8.3	46
257	Synthesis and properties of alumina-hydroxyapatite composites from natural phosphate for phenol removal from water. <i>Colloids and Interface Science Communications</i> , 2019 , 31, 100188	5.4	16
256	Competition between stimulated Brillouin scattering and two-photon absorption in dispersed boron nitride. <i>Optics Express</i> , 2019 , 27, 11029-11036	3.3	3
255	Photonic-crystal-based broadband graphene saturable absorber. <i>Optics Letters</i> , 2019 , 44, 4785-4788	3	7
254	Layer-modulated two-photon absorption in MoS ₂ : probing the shift of the excitonic dark state and band-edge. <i>Photonics Research</i> , 2019 , 7, 762	6	11
253	Direct observation of interlayer coherent acoustic phonon dynamics in bilayer and few-layer PtSe ₂ . <i>Photonics Research</i> , 2019 , 7, 1416	6	24
252	. <i>Chinese Optics Letters</i> , 2019 , 17, 081901	2.2	4

251	Searching for evidence of optical rectification: optically induced nonlinear photovoltage in a capacitor configuration. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 53	1.7	0
250	Advanced materials for energy harvesting, storage, sensing and environmental engineering. <i>EPJ Applied Physics</i> , 2019 , 88, 20903	1.1	1
249	Bulk luminescent solar concentrators based on organic-inorganic CH ₃ NH ₃ PbBr ₃ perovskite fluorophores. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 192, 44-51	6.4	18
248	Enhancement of the capacitance properties and the photoelectrochemical performances of P3HT film by incorporation of nickel oxide nanoparticles. <i>Ionics</i> , 2019 , 25, 2903-2912	2.7	3
247	Revisiting the Optimal Nano-Morphology: Towards Amorphous Organic Photovoltaics. <i>Chemical Record</i> , 2019 , 19, 1028-1038	6.6	1
246	Simple Unbiased Hot-Electron Polarization-Sensitive Near-Infrared Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11862-11871	9.5	9
245	Reversible light-induced solubility of disperse red 1 dye in a hydroxypropyl cellulose matrix. <i>Cellulose</i> , 2018 , 25, 2083-2090	5.5	5
244	Structural, optical and photovoltaic properties of P3HT and Mn-doped CdS quantum dots based bulk heterojunction hybrid layers. <i>Optical Materials</i> , 2018 , 78, 132-141	3.3	15
243	Cesium Lead Halide Perovskite Nanostructures: Tunable Morphology and Halide Composition. <i>Chemical Record</i> , 2018 , 18, 230-238	6.6	13
242	Merocyanine-540 grafted on ZnS and CdS nanocrystals- an approach for enhancing the efficiency of inorganic- organic hybrid solar cell. <i>Optical Materials</i> , 2018 , 83, 165-175	3.3	3
241	Stimulated Brillouin scattering in dispersed graphene. <i>Optics Express</i> , 2018 , 26, 34346-34365	3.3	6
240	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
239	Effects of pulsed electrodeposition parameters on the properties of zinc oxide thin films to improve the photoelectrochemical and photoelectrodegradation efficiency. <i>EPJ Applied Physics</i> , 2018 , 84, 30102	1.1	3
238	Annealing effect on the optical and photoelectrochemical properties of lead oxide. <i>EPJ Applied Physics</i> , 2018 , 84, 30301	1.1	4
237	Light-Induced Electroluminescence Patterning: Interface Energetics Modification at Semiconducting Polymer and Metal-Oxide Heterojunction in a Photodiode. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23506-23514	3.8	3
236	A Zinc(II) Benzamidinate N-Oxide Complex as an Aggregation-Induced Emission Material: toward Solution-Processable White Organic Light-Emitting Devices. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4322-4330	2.3	7
235	Fabrication of planar heterojunction CsPbBr ₂ I perovskite solar cells using ZnO as an electron transport layer and improved solar energy conversion efficiency. <i>New Journal of Chemistry</i> , 2018 , 42, 14104-14110	3.6	38
234	Near infrared electroluminescence from Nd(TTA) 3 phen in solution-processed small molecule organic light-emitting diodes. <i>Organic Electronics</i> , 2017 , 44, 50-58	3.5	32

233	Foreword: Materials for energy harvesting, conversion and storage (ICOME 2016). <i>EPJ Applied Physics</i> , 2017 , 78, 34801	1.1	3
232	T-Shaped Indan-1,3-dione derivatives as promising electron donors for bulk heterojunction small molecule solar cell. <i>Optical Materials</i> , 2017 , 69, 312-317	3.3	8
231	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
230	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
229	Deceleration of thermal ring closure in a glass-forming mexylaminotriazine-substituted merocyanine (MC) linked to intramolecular hydrogen bonding. <i>New Journal of Chemistry</i> , 2017 , 41, 940-947	3.6	4
228	Synthesis, characterization and photovoltaic performance of Mn-doped ZnS quantum dots- P3HT hybrid bulk heterojunction solar cells. <i>Optical Materials</i> , 2017 , 73, 754-762	3.3	14
227	Structural, optical, electrochemical and photovoltaic studies of spider web like Silver Indium Diselenide Quantum dots synthesized by ligand mediated colloidal sol-gel approach. <i>Optical Materials</i> , 2017 , 73, 70-76	3.3	15
226	Towards amorphous solution-processed small-molecule photovoltaic cells by design. <i>Organic Electronics</i> , 2017 , 49, 382-392	3.5	9
225	Interfacial modification of the electron collecting layer of low-temperature solution-processed organometallic halide photovoltaic cells using an amorphous perylenediimide. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 160, 294-300	6.4	22
224	Enhancement of efficiency by embedding ZnS and Mn-doped ZnS nanoparticles in P3HT:PCBM hybrid solid state solar cells. <i>EPJ Applied Physics</i> , 2017 , 78, 34810	1.1	5
223	Photovoltaic performance of P3HT-porphyrin functionalized 1D CdS nanostructured organic inorganic bulk heterojunction hybrid solar cells. <i>EPJ Applied Physics</i> , 2017 , 78, 34809	1.1	4
222	Transfer of chirality from light to a Disperse Red 1 molecular glass surface. <i>Optics Letters</i> , 2017 , 42, 4845-4848	3.7	7
221	Instantaneous photoinduced patterning of an azopolymer colloidal nanosphere assembly. <i>Optical Materials Express</i> , 2016 , 6, 2925	2.6	6
220	Photoinduction of spontaneous surface relief gratings on Azo DR1 glass. <i>Optics Letters</i> , 2016 , 41, 2958-61	3.1	11
219	Unraveling the nucleation and growth of spontaneous surface relief gratings. <i>Optical Materials</i> , 2016 , 62, 378-391	3.3	15
218	Materials for energy harvesting, conversion and storage. <i>EPJ Applied Physics</i> , 2016 , 74, 24601	1.1	5
217	Effect of thermal annealing on the structural, optical and dielectrical properties of P3HT:PC70BM nanocomposites. <i>Materials Research Bulletin</i> , 2016 , 78, 141-147	5.1	16
216	Synthesis, characterization and photovoltaic performance of novel glass-forming perylenediimide derivatives. <i>Organic Electronics</i> , 2016 , 34, 146-156	3.5	18

215	Electric-Field-Induced Nanoscale Surface Patterning in Mexylaminotriazine-Functionalized Molecular Glass Derivatives. <i>Langmuir</i> , 2016 , 32, 5646-52	4	6
214	Second-order nonlinear optical properties of mexylaminotriazine-functionalized glass-forming azobenzene derivatives. <i>Optical Materials</i> , 2016 , 60, 258-263	3.3	6
213	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
212	Mastering Nano-objects with Photoswitchable Molecules for Nanotechnology Applications. <i>Nano-optics and Nanophotonics</i> , 2015 , 159-179	0	
211	Surface relief grating growth in thin films of mexylaminotriazine-functionalized glass-forming azobenzene derivatives. <i>New Journal of Chemistry</i> , 2015 , 39, 9162-9170	3.6	24
210	Replacement of P3HT and PCBM with metal oxides nanoparticles in inverted hybrid organic solar cells. <i>Synthetic Metals</i> , 2015 , 210, 268-272	3.6	11
209	Water-triggered spontaneous surface patterning in thin films of mexylaminotriazine molecular glasses. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4729-4736	7.1	4
208	Photovoltaic performance of AgInSe ₂ -conjugated polymer hybrid system bulk heterojunction solar cells. <i>Synthetic Metals</i> , 2015 , 199, 87-92	3.6	42
207	Efficient and low cost inverted hybrid bulk heterojunction solar cells. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 043148	2.5	16
206	Efficient inverted hybrid solar cells using both CuO and P3HT as an electron donor materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 6478-6483	2.1	16
205	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
204	AgInSe ₂ .PCBM.P3HT inorganic organic blends for hybrid bulk heterojunction photovoltaics. <i>Synthetic Metals</i> , 2015 , 200, 102-108	3.6	33
203	Inverted Ternary Bulk Hetrojunction Hybrid Photovoltaic Device Based On AgInSe ₂ Polymer Blend As Absorber And PEDOT: PSS As Hole Transport Layer. <i>Advanced Materials Letters</i> , 2015 , 6, 421-424	2.4	2
202	Organic materials for photovoltaic applications: Review and mechanism. <i>Synthetic Metals</i> , 2014 , 190, 20-26	3.6	120
201	Cyano azobenzene polymer films: Photo-induced reorientation and birefringence behaviors with linear and circular polarized light. <i>Optical Materials</i> , 2014 , 38, 228-232	3.3	5
200	Disperse and disordered: a mexylaminotriazine-substituted azobenzene derivative with superior glass and surface relief grating formation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 841-847	7.1	51
199	Surface Roughness Characterization of ZnO: TiO ₂ -Organic Blended Solar Cells Layers by Atomic Force Microscopy and Fractal Analysis. <i>International Journal of Nanoscience</i> , 2014 , 13, 1450020	0.6	11
198	Influence of temperature on the relaxation kinetics of spontaneous pattern formation in an azopolymer film. <i>Optics Communications</i> , 2013 , 298-299, 150-153	2	9

197	All-optical poling and second harmonic generation diagnostic of layer-by-layer assembled photoactive polyelectrolytes. <i>Chemical Physics</i> , 2013 , 420, 7-14	2.3	4
196	Self-reconstructing all-optical poling in polymer fibers. <i>Optics Letters</i> , 2013 , 38, 2945-8	3	1
195	Three photon absorption detection using polymer photo-diodes 2013 ,		2
194	Distributed feedback laser action in reflection geometry from a dye-doped polymer film. <i>Optical Materials</i> , 2012 , 34, 1415-1418	3.3	3
193	Enhanced organic light emitting diode and solar cell performances using silver nano-clusters. <i>Organic Electronics</i> , 2012 , 13, 1623-1632	3.5	52
192	Photochemical and thermal spiropyran (SP)-merocyanine (MC) interconversion: a dichotomy in dependence on viscosity. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13684-91	3.6	8
191	Impact of selective thermal annealing on rubrene/C60 heterojunction solar cells. <i>Synthetic Metals</i> , 2012 , 162, 2171-2175	3.6	5
190	Organic solar cell materials and active layer designsImprovements with carbon nanotubes: a review. <i>Polymer International</i> , 2012 , 61, 342-354	3.3	60
189	Noble metal nanoparticle enhanced organic light emitting diodes 2012 ,		3
188	Phosphorescent organic light emitting diode efficiency enhancement using functionalized silver nanoparticles. <i>Applied Physics Letters</i> , 2011 , 99, 123302	3.4	33
187	Improving the current density Jsc of organic solar cells P3HT:PCBM by structuring the photoactive layer with functionalized SWCNTs. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, S53-S56	6.4	64
186	Light induced 2D chiral structure on the surface of azo-polymer films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 2773-2776		4
185	A dye functionalized silver/silica core/shell nanoparticle organic light emitting diode. <i>Organic Electronics</i> , 2011 , 12, 1279-1284	3.5	16
184	Air stable hybrid inverted tandem solar cell design. <i>Applied Physics Letters</i> , 2011 , 99, 063301	3.4	13
183	Origin of photocurrent generation and collection losses in large area organic solar cells. <i>Applied Physics Letters</i> , 2011 , 99, 093309	3.4	11
182	New fullerene derivatives for the photovoltaic application. <i>Journal of Photonics for Energy</i> , 2011 , 1, 011120		1
181	An isomerization-induced cage-breaking process in a molecular glass former below T(g). <i>Journal of Chemical Physics</i> , 2011 , 134, 114517	3.9	37
180	Requirements for a rectifying antenna solar cell technology 2010 ,		5

179	Isomerization-induced surface relief gratings formation: A comparison between the probe and the matrix dynamics. <i>Journal of Chemical Physics</i> , 2010 , 133, 044902	3.9	19
178	Stable frequency doubling by all-optical poling in dye-doped polymer optical fibers. <i>Optics Letters</i> , 2010 , 35, 3595-7	3	3
177	Photoinduced deformation of azopolymer nanometric spheres. <i>Applied Physics Letters</i> , 2010 , 96, 163104	3.4	18
176	Estimation of the concentration of deep traps in organic photoconductors using two-photon absorption 2010 ,		1
175	Metal plasmon enhanced europium complex luminescence. <i>Journal of Luminescence</i> , 2010 , 130, 56-59	3.8	26
174	Surface relief grating formation on nano-objects. <i>Applied Physics Letters</i> , 2009 , 95, 053102	3.4	13
173	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
172	Isomerization-induced dynamic heterogeneity in a glass former below and above T(g). <i>Physical Review Letters</i> , 2009 , 103, 265701	7.4	44
171	Disperse red 1 end capped oligoesters. Synthesis by noncatalyzed ring opening oligomerization and structural characterization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 534-547	2.5	5
170	Near infrared emission in rubrene:fullerene heterojunction devices. <i>Chemical Physics Letters</i> , 2009 , 474, 141-145	2.5	22
169	Cooperative interaction in azopolymers upon irradiation. <i>New Journal of Chemistry</i> , 2009 , 33, 1207	3.6	6
168	Spontaneous formation of optically induced surface relief gratings. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 205401	1.3	27
167	Dispersion of single-walled carbon nanotubes using polyelectrolytes 2009 ,		1
166	Tunable circularly polarized lasing emission in reflection distributed feedback dye lasers. <i>Optics Express</i> , 2008 , 16, 16746-53	3.3	21
165	Cognitive ability process at the molecular level. <i>International Journal of Nanotechnology</i> , 2008 , 5, 885	1.5	
164	Size effect on organic optoelectronics devices: Example of photovoltaic cell efficiency. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 1333-1336	2.3	58
163	Influence of the polymer dielectric characteristics on the performance of pentacene organic field-effect transistors. <i>Solid-State Electronics</i> , 2008 , 52, 179-181	1.7	24
162	Synthesis and characterization of p and n dopable interpenetrating polymer networks for organic photovoltaic devices. <i>Thin Solid Films</i> , 2008 , 516, 7223-7229	2.2	15

161	Second harmonic generation and photochromic grating in polyurethane films containing diazo isoxazole chromophore. <i>Optical Materials</i> , 2008 , 30, 1832-1839	3.3	4
160	Rubrene/Fullerene Heterostructures with a Half-Gap Electroluminescence Threshold and Large Photovoltage. <i>Advanced Materials</i> , 2007 , 19, 3613-3617	2.4	9.4
159	All-optical poling properties of new nonlinear fluorene derivatives. <i>Chemical Physics</i> , 2007 , 331, 339-345	2.3	8
158	Second harmonic generation diagnostic of layer-by-layer deposition from Disperse Red 1 π functionalized maleic anhydride copolymer. <i>Optical Materials</i> , 2007 , 29, 1640-1646	3.3	11
157	One step inscription of surface relief microgratings. <i>Optics Communications</i> , 2007 , 280, 217-220	2	18
156	All-optical induction of noncentrosymmetry in dyed plastic materials. <i>Optical Materials</i> , 2007 , 29, 468-470	3.3	4
155	Dual-frequency coherent induction of non-centrosymmetry in a chiral bisazo-dye doped polymer film. <i>Optical Materials</i> , 2007 , 29, 1685-1688	3.3	3
154	Reverse biased annealing: Effective post treatment tool for polymer/nano-composite solar cells. <i>Organic Electronics</i> , 2007 , 8, 396-400	3.5	21
153	Upconversion injection in rubrene/perylene-diimide-heterostructure electroluminescent diodes. <i>Applied Physics Letters</i> , 2007 , 90, 263508	3.4	5.4
152	Optical modeling of the ultimate efficiency of pentacene: N, N'-ditridecylperylene-3, 4, 9, 10-tetracarboxylic diimide blend solar cells. <i>Journal of Applied Physics</i> , 2007 , 102, 034512	2.5	19
151	First order distributed feedback dye laser effect in reflection pumping geometry for nonlinear optical measurements 2007 , 6653, 23		1
150	First-order distributed feedback dye laser effect in reflection pumping geometry. <i>Optics Letters</i> , 2007 , 32, 805-7	3	7
149	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	4.1
148	Cognitive ability experiment with photosensitive organic molecular thin films. <i>Physical Review Letters</i> , 2006 , 97, 048701	7.4	16
147	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. <i>Applied Physics Letters</i> , 2006 , 89, 113506	3.4	6.4
146	Efficient flexible and thermally stable pentacene/C60 small molecule based organic solar cells. <i>Applied Physics Letters</i> , 2006 , 89, 213506	3.4	9.0
145	Refractive-index saturation-mediated multiple line emission in polymer thin-film distributed-feedback lasers. <i>Optics Letters</i> , 2006 , 31, 1657-9	3	3
144	Light-harvesting fullerenes for organic solar cells. <i>EPJ Applied Physics</i> , 2006 , 36, 301-305	1.1	17

143	How to model the behaviour of organic photovoltaic cells. <i>Polymer International</i> , 2006 , 55, 583-600	3.3	329
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