

Ullrich Steiner

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.

271
papers

18,163
citations

75
h-index

126
g-index

289
ext. papers

19,896
ext. citations

10.6
avg, IF

6.72
L-index

#	Paper	IF	Citations
271	Comparing Percolation and Alignment of Cellulose Nanocrystals for the Reinforcement of Polyurethane Nanocomposites.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	5
270	Polymer-templated mesoporous lithium titanate microspheres for high-performance lithium batteries.. <i>Materials Advances</i> , 2022 , 3, 362-372	3.3	4
269	Pachyrhynchus Weevils Use 3D Photonic Crystals with Varying Degrees of Order to Create Diverse and Brilliant Displays.. <i>Small</i> , 2022 , e2200592	11	1
268	Insect Antiadhesive Surfaces Using Electrospayed Wrinkled Ethyl Cellulose Particles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9232-9238	9.5	1
267	Host-guest complexation in hybrid perovskite optoelectronics. <i>JPhys Materials</i> , 2021 , 4, 042011	4.2	0
266	One-Step Solvent-Free Mechanochemical Incorporation of Insoluble Cesium Salt into Perovskites for Wide Band-Gap Solar Cells. <i>Chemistry of Materials</i> , 2021 , 33, 3971-3979	9.6	1
265	Block Copolymer Directed Metamaterials and Metasurfaces for Novel Optical Devices. <i>Advanced Optical Materials</i> , 2021 , 9, 2100175	8.1	11
264	Physical Passivation of Grain Boundaries and Defects in Perovskite Solar Cells by an Isolating Thin Polymer. <i>ACS Energy Letters</i> , 2021 , 6, 2626-2634	20.1	21
263	Revisiting metal fluorides as lithium-ion battery cathodes. <i>Nature Materials</i> , 2021 , 20, 841-850	27	34
262	Shaping Perovskites: Crystallization Mechanism of Rapid Thermally Annealed, Prepatterned Perovskite Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6854-6863	9.5	5
261	Distributed Bragg reflectors from colloidal trilayer flake solutions. <i>APL Photonics</i> , 2021 , 6, 026104	5.2	3
260	Photonic Particles Made by the Confined Self-Assembly of a Supramolecular Comb-Like Block Copolymer. <i>Macromolecular Rapid Communications</i> , 2021 , e2100522	4.8	5
259	Enhancing the Refractive Index of Polymers with a Plant-Based Pigment. <i>Small</i> , 2021 , 17, e2103061	11	1
258	Soft Photonic Fibers for Colorimetric Solvent Vapor Sensing. <i>Advanced Optical Materials</i> , 2020 , 8, 2000165	16.5	16
257	Strong Circular Dichroism in Single Gyroid Optical Metamaterials. <i>Advanced Optical Materials</i> , 2020 , 8, 1902131	8.1	17
256	Polymerization-Induced Wrinkled Surfaces with Controlled Topography as Slippery Surfaces for Colorado Potato Beetles. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000129	4.6	11
255	Designing refractive index fluids using the Kramers-Kronig relations. <i>Faraday Discussions</i> , 2020 , 223, 136-144	3.6	11

254	Tuning the Properties of a UV-Polymerized, Cross-Linked Solid Polymer Electrolyte for Lithium Batteries. <i>Polymers</i> , 2020 , 12,	4.5	13
253	Comparing the excited-state properties of a mixed-cation-mixed-halide perovskite to methylammonium lead iodide. <i>Journal of Chemical Physics</i> , 2020 , 152, 104703	3.9	8
252	Visualizing Magnetic Structure in 3D Nanoscale Ni-Fe Gyroid Networks. <i>Nano Letters</i> , 2020 , 20, 3642-3650	4.5	8
251	Flash Infrared Pulse Time Control of Perovskite Crystal Nucleation and Growth from Solution. <i>Crystal Growth and Design</i> , 2020 , 20, 670-679	3.5	7
250	Electrospinning of Cellulose Nanocrystal-Reinforced Polyurethane Fibrous Mats. <i>Polymers</i> , 2020 , 12,	4.5	3
249	Carbon-Assisted Stable Silver Nanostructures. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001227	4.6	3
248	Bio-inspired optics: general discussion. <i>Faraday Discussions</i> , 2020 , 223, 183-194	3.6	
247	Spherical indentation response of a Ni double gyroid nanolattice. <i>Scripta Materialia</i> , 2020 , 188, 64-68	5.6	0
246	Structural Diversity with Varying Disorder Enables the Multicolored Display in the Longhorn Beetle <i>Sulawesiella rafaellae</i> . <i>IScience</i> , 2020 , 23, 101339	6.1	4
245	Hyperbolic Optical Metamaterials from Shear-Aligned Block Copolymer Cylinder Arrays. <i>Advanced Photonics Research</i> , 2020 , 1, 2000037	1.9	3
244	Ultrathin polymeric films for interfacial passivation in wide band-gap perovskite solar cells. <i>Scientific Reports</i> , 2020 , 10, 22260	4.9	13
243	Processing Pathways Decide Polymer Properties at the Molecular Level. <i>Macromolecules</i> , 2019 , 52, 7146-7156	5.6	68
242	Self-Rolled Multilayer Metasurfaces. <i>ACS Photonics</i> , 2019 , 6, 2198-2204	6.3	8
241	Ultralow surface energy self-assembled monolayers of iodo-perfluorinated alkanes on silica driven by halogen bonding. <i>Nanoscale</i> , 2019 , 11, 2401-2411	7.7	7
240	Phase Evolution During Perovskite Formation: Insight from Pair Distribution Function Analysis. <i>Chemistry of Materials</i> , 2019 , 31, 3498-3506	9.6	21
239	Thin-film structural coloration from simple fused scales in moths. <i>Interface Focus</i> , 2019 , 9, 20180044	3.9	7
238	Nacre-inspired Hard and Tough Materials. <i>Chimia</i> , 2019 , 73, 29-34	1.3	6
237	When Black and White make Green: the Surprising Interplay of Structure and Pigments. <i>Chimia</i> , 2019 , 73, 47-50	1.3	3

236	Surface Reconstruction Limited Conductivity in Block-Copolymer Li Battery Electrolytes. <i>Advanced Functional Materials</i> , 2019 , 29, 1905977	15.6	11
235	Melt-Spun Nanocomposite Fibers Reinforced with Aligned Tunicate Nanocrystals. <i>Polymers</i> , 2019 , 11,	4.5	8
234	Diffusive structural colour in. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	1
233	Halogen-bond driven self-assembly of perfluorocarbon monolayers on silicon nitride. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24445-24453	13	6
232	Determining the complex Jones matrix elements of a chiral 3D optical metamaterial. <i>APL Photonics</i> , 2019 , 4, 126107	5.2	4
231	Metasurfaces Atop Metamaterials: Surface Morphology Induces Linear Dichroism in Gyroid Optical Metamaterials. <i>Advanced Materials</i> , 2019 , 31, e1803478	24	17
230	Flash Infrared Annealing for Antisolvent-Free Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702915	21.8	88
229	Polymer-Templated LiFePO ₄ /C Nanonetworks as High-Performance Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1646-1653	9.5	55
228	A Ga-doped SnO ₂ mesoporous contact for UV stable highly efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1850-1857	13	91
227	Porous translucent electrodes enhance current generation from photosynthetic biofilms. <i>Nature Communications</i> , 2018 , 9, 1299	17.4	46
226	Evolutionary-Optimized Photonic Network Structure in White Beetle Wing Scales. <i>Advanced Materials</i> , 2018 , 30, e1702057	24	61
225	Ultrastructure and optics of the prism-like petal epidermal cells of <i>Eschscholzia californica</i> (California poppy). <i>New Phytologist</i> , 2018 , 219, 1124-1133	9.8	15
224	Clean Block Copolymer Microparticles from Supercritical CO ₂ : Universal Templates for the Facile and Scalable Fabrication of Hierarchical Mesostructured Metal Oxides. <i>Nano Letters</i> , 2018 , 18, 7560-7569	11.5	10
223	Efficient and Stable Inorganic Perovskite Solar Cells Manufactured by Pulsed Flash Infrared Annealing. <i>Advanced Energy Materials</i> , 2018 , 8, 1802060	21.8	78
222	Multiscale in modelling and validation for solar photovoltaics. <i>EPJ Photovoltaics</i> , 2018 , 9, 10	0.7	5
221	Synchrotron Big Data Science. <i>Small</i> , 2018 , 14, e1802291	11	20
220	Controlling Self-Assembly in Gyroid Terpolymer Films By Solvent Vapor Annealing. <i>Small</i> , 2018 , 14, e1802401	11	18
219	Migration of cations induces reversible performance losses over day/night cycling in perovskite solar cells. <i>Energy and Environmental Science</i> , 2017 , 10, 604-613	35.4	387

218	Patterning of perovskite-polymer films by wrinkling instabilities. <i>Soft Matter</i> , 2017 , 13, 1654-1659	3.6	10
217	Butterfly gyroid nanostructures as a time-frozen glimpse of intracellular membrane development. <i>Science Advances</i> , 2017 , 3, e1603119	14.3	86
216	Spontaneous crystal coalescence enables highly efficient perovskite solar cells. <i>Nano Energy</i> , 2017 , 39, 24-29	17.1	51
215	A review on the mechanical and thermodynamic robustness of superhydrophobic surfaces. <i>Advances in Colloid and Interface Science</i> , 2017 , 246, 133-152	14.3	65
214	Highly Planarized Naphthalene Diimide-Bifuran Copolymers with Unexpected Charge Transport Performance. <i>Chemistry of Materials</i> , 2017 , 29, 5473-5483	9.6	38
213	Mesoporous Titania Microspheres with Highly Tunable Pores as an Anode Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22388-22397	9.5	41
212	Partial oxidation of the absorber layer reduces charge carrier recombination in antimony sulfide solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1425-1430	3.6	15
211	Nanoparticle shapes of LiMnPO ₄ , Li ⁺ diffusion orientation and diffusion coefficients for high volumetric energy Li ⁺ ion cathodes. <i>Journal of Power Sources</i> , 2017 , 342, 231-240	8.9	41
210	Disorder in convergent floral nanostructures enhances signalling to bees. <i>Nature</i> , 2017 , 550, 469-474	50.4	73
209	Optical Imaging of Large Gyroid Grains in Block Copolymer Templates by Confined Crystallization. <i>Macromolecules</i> , 2017 , 50, 6255-6262	5.5	25
208	Lithiation Thermodynamics and Kinetics of the TiO (B) Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13330-13341	16.4	33
207	Spectrally resolved surface plasmon resonance dispersion using half-ball optics. <i>Applied Physics Letters</i> , 2017 , 111, 201102	3.4	3
206	The indentation response of Nickel nano double gyroid lattices. <i>Extreme Mechanics Letters</i> , 2017 , 10, 15-23	3.9	22
205	Extreme Refractive Index Wing Scale Beads Containing Dense Pterin Pigments Cause the Bright Colors of Pierid Butterflies. <i>Advanced Optical Materials</i> , 2017 , 5, 1600879	8.1	41
204	Chemical vapour deposition of freestanding sub-60 nm graphene gyroids. <i>Applied Physics Letters</i> , 2017 , 111, 253103	3.4	16
203	Perovskite Solar Cell Stability in Humid Air: Partially Reversible Phase Transitions in the PbI ₂ -CH ₃ NH ₃ I-H ₂ O System. <i>Advanced Energy Materials</i> , 2016 , 6, 1600846	21.8	263
202	Thin film synthesis of SbSI micro-crystals for self-powered photodetectors with rapid time response. <i>Nanoscale</i> , 2016 , 8, 15920-5	7.7	24
201	Solar Cells: Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency (Adv. Energy Mater. 20/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	1

200	Mesoporous SnO ₂ electron selective contact enables UV-stable perovskite solar cells. <i>Nano Energy</i> , 2016 , 30, 517-522	17.1	165
199	Enhanced Efficiency and Stability of Perovskite Solar Cells Through Nd-Doping of Mesostructured TiO ₂ . <i>Advanced Energy Materials</i> , 2016 , 6, 1501868	21.8	130
198	Chapter 17:Bio-mimetic Structural Colour using Biopolymers. <i>RSC Polymer Chemistry Series</i> , 2016 , 555-585	3	
197	Optical analysis of CH ₃ NH ₃ Sn Pb I absorbers: a roadmap for perovskite-on-perovskite tandem solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11214-11221	13	87
196	Intrinsic Stresses in Thin Glassy Polymer Films Revealed by Crack Formation. <i>Macromolecules</i> , 2016 , 49, 9060-9067	5.5	15
195	In-situ observation of moisture-induced degradation of perovskite solar cells using laser-beam induced current 2016 ,		8
194	Thermal oxidation of amorphous germanium thin films on SiO ₂ substrates. <i>Semiconductor Science and Technology</i> , 2016 , 31, 125017	1.8	6
193	Structural colour from helicoidal cell-wall architecture in fruits of. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	41
192	Gyroid Optical Metamaterials: Calculating the Effective Permittivity of Multidomain Samples. <i>ACS Photonics</i> , 2016 , 3, 1888-1896	6.3	27
191	Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency. <i>Advanced Energy Materials</i> , 2016 , 6, 1600767	21.8	165
190	Electroluminescence from Organometallic Lead Halide Perovskite-Conjugated Polymer Diodes. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500008	6.4	55
189	Electronic Structure of Low-Temperature Solution-Processed Amorphous Metal Oxide Semiconductors for Thin-Film Transistor Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 1873-1885	15.6	144
188	Atmospheric influence upon crystallization and electronic disorder and its impact on the photophysical properties of organic-inorganic perovskite solar cells. <i>ACS Nano</i> , 2015 , 9, 2311-20	16.7	152
187	Controlling the coassembly of highly amphiphilic block copolymers with a hydrolytic sol by solvent exchange. <i>RSC Advances</i> , 2015 , 5, 22499-22502	3.7	4
186	Efficient room temperature aqueous Sb ₂ S ₃ synthesis for inorganic-organic sensitized solar cells with 5.1% efficiencies. <i>Chemical Communications</i> , 2015 , 51, 8640-3	5.8	58
185	Block copolymer self-assembly for nanophotonics. <i>Chemical Society Reviews</i> , 2015 , 44, 5076-91	58.5	248
184	Ordered mesoporous titania from highly amphiphilic block copolymers: tuned solution conditions enable highly ordered morphologies and ultra-large mesopores. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11478-11492	13	31
183	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25227-36	9.5	76

182	Is floral iridescence a biologically relevant cue in plant-pollinator signalling? A response to van der Kooi et al. (2014b). <i>New Phytologist</i> , 2015 , 205, 21-2	9.8	7
181	Doping of TiO ₂ for sensitized solar cells. <i>Chemical Society Reviews</i> , 2015 , 44, 8326-49	58.5	268
180	Optical Properties of Gyroid Structured Materials: From Photonic Crystals to Metamaterials. <i>Advanced Optical Materials</i> , 2015 , 3, 12-32	8.1	169
179	Role of PbSe Structural Stabilization in Photovoltaic Cells. <i>Advanced Functional Materials</i> , 2015 , 25, 928-936	13.5	16
178	The flower of Hibiscus trionum is both visibly and measurably iridescent. <i>New Phytologist</i> , 2015 , 205, 97-101	9.8	73
177	A high transmission wave-guide wire network made by self-assembly. <i>Nanoscale</i> , 2015 , 7, 1032-6	7.7	9
176	Gyroid-Structured Electrodes for Electrochromic and Supercapacitor Applications 2015 , 311-336		4
175	Structural colour in <i>Chondrus crispus</i> . <i>Scientific Reports</i> , 2015 , 5, 11645	4.9	18
174	Visualization of energy: light dose indicator based on electrochromic gyroid nano-materials. <i>Nanotechnology</i> , 2015 , 26, 225501	3.4	2
173	Phosphonic anchoring groups in organic dyes for solid-state solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 18780-9	3.6	15
172	3D Nanostructured Conjugated Polymers for Optical Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 6900-6905	15.6	20
171	Bio-inspired hierarchical polymer fiber-carbon nanotube adhesives. <i>Advanced Materials</i> , 2014 , 26, 1456-61	14	51
170	Towards Long-Term Photostability of Solid-State Dye Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1301667	21.8	47
169	Light-Directed Writing of Chemically Tunable Narrow-Band Holographic Sensors. <i>Advanced Optical Materials</i> , 2014 , 2, 250-254	8.1	98
168	Gyroidal mesoporous multifunctional nanocomposites via atomic layer deposition. <i>Nanoscale</i> , 2014 , 6, 8736-42	7.7	19
167	Single nanoparticle SERS probes of ion intercalation in metal-oxide electrodes. <i>Nano Letters</i> , 2014 , 14, 495-8	11.5	48
166	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , 2014 , 7, 1725-1736	35.4	35
165	Bright-white beetle scales optimise multiple scattering of light. <i>Scientific Reports</i> , 2014 , 4, 6075	4.9	123

164	Performance and Stability Enhancement of Dye-Sensitized and Perovskite Solar Cells by Al Doping of TiO ₂ . <i>Advanced Functional Materials</i> , 2014 , 24, 6046-6055	15.6	294
163	Digital color in cellulose nanocrystal films. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12302-6	9.5	177
162	Ultrafast Nonlinear Response of Gold Gyroid Three-Dimensional Metamaterials. <i>Physical Review Applied</i> , 2014 , 2,	4.3	27
161	Room-temperature development of thin film composite reverse osmosis membranes from cellulose acetate with antibacterial properties. <i>Journal of Membrane Science</i> , 2014 , 453, 212-220	9.6	55
160	Controlled, Bio-inspired Self-Assembly of Cellulose-Based Chiral Reflectors. <i>Advanced Optical Materials</i> , 2014 , 2, 646-650	8.1	134
159	Lessons learned: from dye-sensitized solar cells to all-solid-state hybrid devices. <i>Advanced Materials</i> , 2014 , 26, 4013-30	24	133
158	Preparation of Single-Phase Films of CH ₃ NH ₃ Pb(I _{1-x} Br _x) ₃ with Sharp Optical Band Edges. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2501-5	6.4	347
157	Plasmonic enhancement in BiVO ₄ photonic crystals for efficient water splitting. <i>Small</i> , 2014 , 10, 3970-8	11	129
156	Gyroid-Structured 3D ZnO Networks Made by Atomic Layer Deposition. <i>Advanced Functional Materials</i> , 2014 , 24, 863-872	15.6	61
155	Natural Helicoidal Structures: Morphology, Self-assembly and Optical Properties. <i>Materials Today: Proceedings</i> , 2014 , 1, 177-185	1.4	84
154	Soft matter design principles for inorganic photonic nanoarchitectures in photovoltaics, colorimetric sensing, and self-cleaning antireflective coatings 2014 ,		1
153	Insect adhesion on rough surfaces: analysis of adhesive contact of smooth and hairy pads on transparent microstructured substrates. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140499	4.1	38
152	Labyrinth-induced faceted electrochemical growth. <i>Advanced Materials</i> , 2014 , 26, 2403-7	24	19
151	Intrinsic viscoelasticity in thin high-molecular-weight polymer films. <i>Physical Review E</i> , 2014 , 89, 062604	2.4	4
150	Charge Transport Limitations in Self-Assembled TiO ₂ Photoanodes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 698-703	6.4	103
149	Tunable 3D extended self-assembled gold metamaterials with enhanced light transmission. <i>Advanced Materials</i> , 2013 , 25, 2713-6	24	76
148	Low temperature crystallisation of mesoporous TiO ₂ . <i>Nanoscale</i> , 2013 , 5, 10518-24	7.7	18
147	Self-cleaning antireflective optical coatings. <i>Nano Letters</i> , 2013 , 13, 5329-35	11.5	124

146	Polymer crystallization as a tool to pattern hybrid nanostructures: growth of 12 nm ZnO arrays in poly(3-hexylthiophene). <i>Nano Letters</i> , 2013 , 13, 4499-504	11.5	27
145	RYB tri-colour electrochromism based on a molecular cobaloxime. <i>Chemical Communications</i> , 2013 , 49, 10453-5	5.8	18
144	Hierarchical Orientation of Crystallinity by Block-Copolymer Patterning and Alignment in an Electric Field. <i>Chemistry of Materials</i> , 2013 , 25, 1063-1070	9.6	24
143	Effect of Au nanoparticle spatial distribution on the stability of thin polymer films. <i>Langmuir</i> , 2013 , 29, 6706-14	4	24
142	Single molecule SERS and detection of biomolecules with a single gold nanoparticle on a mirror junction. <i>Analyst, The</i> , 2013 , 138, 4574-8	5	98
141	Efficient electrochromic devices made from 3D nanotubular gyroid networks. <i>Nano Letters</i> , 2013 , 13, 3005-10	11.5	99
140	Crystallization-Induced 10-nm Structure Formation in P3HT/PCBM Blends. <i>Macromolecules</i> , 2013 , 46, 4002-4013	5.5	126
139	Tunable Microstructured Surface-Enhanced Raman Scattering Substrates via Electrohydrodynamic Lithography. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 4153-4159	6.4	17
138	Analysing photonic structures in plants. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20130394	4.1	133
137	A 3D optical metamaterial made by self-assembly. <i>Advanced Materials</i> , 2012 , 24, OP23-7	24	245
136	Enhanced electrochromism in gyroid-structured vanadium pentoxide. <i>Advanced Materials</i> , 2012 , 24, 1217-21	24	139
135	Anisotropic charge transport in spherulitic poly(3-hexylthiophene) films. <i>Advanced Materials</i> , 2012 , 24, 839-44	24	157
134	Fractionated Crystallization of Defect-Free Poly(3-hexylthiophene). <i>ACS Macro Letters</i> , 2012 , 1, 1170-1175	11.5	16
133	A nanostructured electrochromic supercapacitor. <i>Nano Letters</i> , 2012 , 12, 1857-62	11.5	301
132	Pattern formation induced by an electric field in a polymer-polymer thin film system. <i>Soft Matter</i> , 2012 , 8, 6333	3.6	33
131	Interplay of electrohydrodynamic structure formation and microphase alignment in lamellar block copolymers. <i>Soft Matter</i> , 2012 , 8, 3841	3.6	9
130	Morphology-dependent charge photogeneration in donor-acceptor block copolymer films based on poly(3-hexylthiophene)-block-poly(perylene bisimide acrylate). <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10070-8	3.4	24
129	Solvent-resistant ultraflat gold using liquid glass. <i>Langmuir</i> , 2012 , 28, 1347-50	4	13

128	Metal oxide nanoparticle mediated enhanced Raman scattering and its use in direct monitoring of interfacial chemical reactions. <i>Nano Letters</i> , 2012 , 12, 4242-6	11.5	95
127	The mirror crack: both pigment and structure contribute to the glossy blue appearance of the mirror orchid, <i>Ophrys speculum</i> . <i>New Phytologist</i> , 2012 , 196, 1038-1047	9.8	34
126	Networked and chiral nanocomposites from ABC triblock terpolymer coassembly with transition metal oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1078-1087		52
125	On the role of single regiodefects and polydispersity in regioregular poly(3-hexylthiophene): defect distribution, synthesis of defect-free chains, and a simple model for the determination of crystallinity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4790-805	16.4	163
124	Layer-by-layer formation of block-copolymer-derived TiO ₂ for solid-state dye-sensitized solar cells. <i>Small</i> , 2012 , 8, 432-40	11	32
123	Patterning of crystalline organic materials by electro-hydrodynamic lithography. <i>Small</i> , 2012 , 8, 2595-6011	11	16
122	Biomimetic layer-by-layer assembly of artificial nacre. <i>Nature Communications</i> , 2012 , 3, 966	17.4	264
121	Pore Filling of Spiro-OMeTAD in Solid-State Dye-Sensitized Solar Cells Determined Via Optical Reflectometry. <i>Advanced Functional Materials</i> , 2012 , 22, 5010-5019	15.6	72
120	Hierarchical electrohydrodynamic structures for surface-enhanced Raman scattering. <i>Advanced Materials</i> , 2012 , 24, OP175-80, OP174	24	43
119	Hierarchical Electrohydrodynamic Structures for Surface-Enhanced Raman Scattering (Adv. Mater. 23/2012). <i>Advanced Materials</i> , 2012 , 24, OP174-OP174	24	
118	Triblock-Terpolymer-Directed Self-Assembly of Mesoporous TiO ₂ : High-Performance Photoanodes for Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2012 , 2, 676-682	21.8	53
117	Directional scattering from the glossy flower of <i>Ranunculus</i> : how the buttercup lights up your chin. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 1295-301	4.1	29
116	Multilayer mirrored bubbles with spatially-chirped and elastically-tuneable optical bandgaps. <i>Optics Express</i> , 2012 , 20, 6421-8	3.3	7
115	Pointillist structural color in Pollia fruit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15712-5	11.5	369
114	Segmental relaxations have macroscopic consequences in glassy polymer films. <i>Physical Review Letters</i> , 2012 , 109, 136102	7.4	45
113	Reply to Roberts et al.: Reflectivity and pointillist structural color on land and in water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E3388-E3388	11.5	1
112	Photonic Structures in Plants. <i>Series in Optics and Optoelectronics</i> , 2012 , 1-18		0
111	Direct stress measurements in thin polymer films. <i>Soft Matter</i> , 2011 , 7, 7839	3.6	26

110	Nonequilibrium behavior of thin polymer films. <i>Physical Review E</i> , 2011 , 83, 021804	2.4	70
109	Surface-directed spinodal decomposition in poly[3-hexylthiophene] and α -butyric acid methyl ester blends. <i>ACS Nano</i> , 2011 , 5, 329-36	16.7	105
108	Determining the contribution of epidermal cell shape to petal wettability using isogenic Antirrhinum lines. <i>PLoS ONE</i> , 2011 , 6, e17576	3.7	25
107	Influence of solution heating on the properties of PEDOT:PSS colloidal solutions and impact on the device performance of polymer solar cells. <i>Organic Electronics</i> , 2011 , 12, 1736-1745	3.5	37
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