

# Detlef M Smilgies

## List of Publications by Citations

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15,438  
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L-index

#	Paper	IF	Citations
296	Stable high efficiency two-dimensional perovskite solar cells via cesium doping. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2095-2102	35.4	496
295	Scherrer grain-size analysis adapted to grazing-incidence scattering with area detectors. <i>Journal of Applied Crystallography</i> , <b>2009</b> , 42, 1030-1034	3.8	475
294	Nanostructure dependence of field-effect mobility in regioregular poly(3-hexylthiophene) thin film field effect transistors. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3480-1	16.4	421
293	A bicontinuous double gyroid hybrid solar cell. <i>Nano Letters</i> , <b>2009</b> , 9, 2807-12	11.5	392
292	Crystallization kinetics of organic-inorganic trihalide perovskites and the role of the lead anion in crystal growth. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2350-8	16.4	266
291	Induction of circularly polarized electroluminescence from an achiral light-emitting polymer via a chiral small-molecule dopant. <i>Advanced Materials</i> , <b>2013</b> , 25, 2624-8	24	256
290	High-lamellar ordering and amorphous-like pi-network in short-chain thiazolothiazole-thiophene copolymers lead to high mobilities. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2521-9	16.4	248
289	Origin of vertical orientation in two-dimensional metal halide perovskites and its effect on photovoltaic performance. <i>Nature Communications</i> , <b>2018</b> , 9, 1336	17.4	228
288	Long-range ordered thin films of block copolymers prepared by zone-casting and their thermal conversion into ordered nanostructured carbon. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 6918-9	16.4	197
287	Phase Transition Control for High Performance Ruddlesden-Popper Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707166	24	192
286	Preparation, structure, and optical properties of nanoporous gold thin films. <i>Langmuir</i> , <b>2007</b> , 23, 2414-24		191
285	Solution-printed organic semiconductor blends exhibiting transport properties on par with single crystals. <i>Nature Communications</i> , <b>2015</b> , 6, 8598	17.4	188
284	Kinetics of the self-assembly of nanocrystal superlattices measured by real-time in situ X-ray scattering. <i>Nature Materials</i> , <b>2016</b> , 15, 775-81	27	184
283	Controlling nanocrystal superlattice symmetry and shape-anisotropic interactions through variable ligand surface coverage. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3131-8	16.4	176
282	Shape-anisotropy driven symmetry transformations in nanocrystal superlattice polymorphs. <i>ACS Nano</i> , <b>2011</b> , 5, 2815-23	16.7	171
281	Tetrathienoacene copolymers as high mobility, soluble organic semiconductors. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13202-3	16.4	166
280	Order parameters and areas in fluid-phase oriented lipid membranes using wide angle X-ray scattering. <i>Biophysical Journal</i> , <b>2008</b> , 95, 669-81	2.9	160

279	High performance ambient-air-stable FAPbI <sub>3</sub> perovskite solar cells with molecule-passivated Ruddlesden-Popper/3D heterostructured film. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3358-3366	35.4	154
278	Solvent additive effects on small molecule crystallization in bulk heterojunction solar cells probed during spin casting. <i>Advanced Materials</i> , <b>2013</b> , 25, 6380-4	24	144
277	Columnar self-assembly of colloidal nanodisks. <i>Nano Letters</i> , <b>2006</b> , 6, 2959-63	11.5	142
276	Strain in Nanoscale Germanium Hut Clusters on Si(001) Studied by X-Ray Diffraction. <i>Physical Review Letters</i> , <b>1996</b> , 77, 2009-2012	7.4	138
275	Crystal and electronic structures of pentacene thin films from grazing-incidence x-ray diffraction and first-principles calculations. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	137
274	Multi-inch single-crystalline perovskite membrane for high-detectivity flexible photosensors. <i>Nature Communications</i> , <b>2018</b> , 9, 5302	17.4	136
273	Dynamical Transformation of Two-Dimensional Perovskites with Alternating Cations in the Interlayer Space for High-Performance Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2684-2694	16.4	135
272	Blade-Coated Hybrid Perovskite Solar Cells with Efficiency > 17%: An In Situ Investigation. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1078-1085	20.1	132
271	Self-assembled simple hexagonal AB <sub>2</sub> binary nanocrystal superlattices: SEM, GISAXS, and defects. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3281-90	16.4	131
270	Cellulose microfibril crystallinity is reduced by mutating C-terminal transmembrane region residues CESA1A903V and CESA3T942I of cellulose synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 4098-103	11.5	130
269	Surface Atomic Structure of KDP Crystals in Aqueous Solution: An Explanation of the Growth Shape. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2229-2232	7.4	130
268	Control of self-assembly of lithographically patternable block copolymer films. <i>ACS Nano</i> , <b>2008</b> , 2, 1396-407	16.7	130
267	Phase Transition Control for High-Performance Blade-Coated Perovskite Solar Cells. <i>Joule</i> , <b>2018</b> , 2, 1313-1330	21.3	125
266	Hybrid Perovskite Thin-Film Photovoltaics: In Situ Diagnostics and Importance of the Precursor Solvate Phases. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604113	24	120
265	Grazing-incidence small-angle X-ray scattering from thin polymer films with lamellar structures: the scattering cross section in the distorted-wave Born approximation. <i>Journal of Applied Crystallography</i> , <b>2006</b> , 39, 433-442	3.8	120
264	Multi-cation Synergy Suppresses Phase Segregation in Mixed-Halide Perovskites. <i>Joule</i> , <b>2019</b> , 3, 1746-1764	17.8	118
263	Subsurface dimerization in III-V semiconductor (001) surfaces. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3586-9	7.4	117
262	One-dimensional self-confinement promotes polymorph selection in large-area organic semiconductor thin films. <i>Nature Communications</i> , <b>2014</b> , 5, 3573	17.4	116

261	Alkylsubstituted thienothiophene semiconducting materials: structure-property relationships. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11930-8	16.4	115
260	Interfacial Engineering at the 2D/3D Heterojunction for High-Performance Perovskite Solar Cells. <i>Nano Letters</i> , <b>2019</b> , 19, 7181-7190	11.5	110
259	Solvent-mediated self-assembly of nanocube superlattices. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1352-9	16.4	106
258	Reconstructing a solid-solid phase transformation pathway in CdSe nanosheets with associated soft ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17119-24	11.5	106
257	Highly Stable Semiconducting Polymers Based on Thiazolothiazole. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4191-4196	9.6	104
256	New Bonding Configuration on Si(111) and Ge(111) Surfaces Induced by the Adsorption of Alkali Metals. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3980-3983	7.4	101
255	Semi-metallic, strong and stretchable wet-spun conjugated polymer microfibers. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2528-2538	7.1	100
254	Highly Efficient Ruddlesden-Popper Halide Perovskite PA <sub>2</sub> MA <sub>4</sub> Pb <sub>5</sub> I <sub>16</sub> Solar Cells. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1975-1982	20.1	98
253	Spatially Controlled Fabrication of Nanoporous Block Copolymers. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3800-3808	9.3	95
252	Scalable Ambient Fabrication of High-Performance CsPbI <sub>2</sub> Br Solar Cells. <i>Joule</i> , <b>2019</b> , 3, 2485-2502	27.8	94
251	Additive-Driven Phase-Selective Chemistry in Block Copolymer Thin Films: The Convergence of Top-Down and Bottom-Up Approaches. <i>Advanced Materials</i> , <b>2004</b> , 16, 953-957	24	93
250	Controlling nucleation, growth, and orientation of metal halide perovskite thin films with rationally selected additives. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 113-123	13	92
249	Conducting Block Copolymers of Regioregular Poly(3-hexylthiophene) and Poly(methacrylates): Electronic Materials with Variable Conductivities and Degrees of Interfibrillar Order. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 1816-1824	4.8	91
248	Structure and growth morphology of an archetypal system for organic epitaxy: PTCDA on Ag(111). <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	91
247	Emergent Properties of an Organic Semiconductor Driven by its Molecular Chirality. <i>ACS Nano</i> , <b>2017</b> , 11, 8329-8338	16.7	90
246	Inner Structure of Thin Films of Lamellar Poly(styrene- <i>b</i> -butadiene) Diblock Copolymers As Revealed by Grazing-Incidence Small-Angle Scattering. <i>Macromolecules</i> , <b>2007</b> , 40, 630-640	5.5	89
245	Structural rearrangements in a lamellar diblock copolymer thin film during treatment with saturated solvent vapor. <i>Macromolecules</i> , <b>2010</b> , 43, 418-427	5.5	81
244	Solvent-Induced Surface Morphology of Thin Polymer Films. <i>Macromolecules</i> , <b>2001</b> , 34, 1369-1375	5.5	81

243	Transistor Paint: Environmentally Stable N-alkyldithienopyrrole and Bithiazole-Based Copolymer Thin-Film Transistors Show Reproducible High Mobilities without Annealing. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3427-3434	15.6	79
242	Size-Dependent Photoluminescence Efficiency of Silicon Nanocrystal Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23240-23248	3.8	78
241	Monitoring In Situ Growth and Dissolution of Molecular Crystals: Towards Determination of the Growth Units. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 955-959		78
240	Molecular self-assembly at bare semiconductor surfaces: characterization of a homologous series of n-alkanethiolate monolayers on GaAs(001). <i>ACS Nano</i> , <b>2007</b> , 1, 30-49	16.7	76
239	Tuning Molecular Relaxation for Vertical Orientation in Cylindrical Block Copolymer Films via Sharp Dynamic Zone Annealing. <i>Macromolecules</i> , <b>2012</b> , 45, 7107-7117	5.5	73
238	Widely Tunable Morphologies in Block Copolymer Thin Films Through Solvent Vapor Annealing Using Mixtures of Selective Solvents. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3057-3065	15.6	70
237	Exploiting Molecular Weight Distribution Shape to Tune Domain Spacing in Block Copolymer Thin Films. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4639-4648	16.4	70
236	Reducing the confinement of PBDB-T to ITIC to improve the crystallinity of PBDB-T/ITIC blends. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15610-15620	13	69
235	Interface-induced nucleation, orientational alignment and symmetry transformations in nanocube superlattices. <i>Nano Letters</i> , <b>2012</b> , 12, 4791-8	11.5	69
234	Lamellar Diblock Copolymer Thin Films Investigated by Tapping Mode Atomic Force Microscopy: Molar-Mass Dependence of Surface Ordering. <i>Macromolecules</i> , <b>2003</b> , 36, 8717-8727	5.5	69
233	X-ray diffraction studies of potassium dihydrogen phosphate (KDP) crystal surfaces. <i>Journal of Crystal Growth</i> , <b>1999</b> , 205, 202-214	1.6	69
232	Robust control of microdomain orientation in thin films of block copolymers by zone casting. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11802-9	16.4	68
231	Structure/processing relationships of highly ordered lead salt nanocrystal superlattices. <i>ACS Nano</i> , <b>2009</b> , 3, 2975-88	16.7	68
230	The Role of Ligand Packing Frustration in Body-Centered Cubic (bcc) Superlattices of Colloidal Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2406-12	6.4	67
229	Troika II: a versatile beamline for the study of liquid and solid interfaces. <i>Journal of Synchrotron Radiation</i> , <b>2005</b> , 12, 329-39	2.4	67
228	Look fast: Crystallization of conjugated molecules during solution shearing probed in-situ and in real time by X-ray scattering. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 177-179	2.5	65
227	Indexation scheme for oriented molecular thin films studied with grazing-incidence reciprocal-space mapping. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 716-718	3.8	65
226	Direct structural mapping of organic field-effect transistors reveals bottlenecks to carrier transport. <i>Advanced Materials</i> , <b>2012</b> , 24, 5553-8, 5517	24	64

225	Probing in real time the soft crystallization of DNA-capped nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 380-4	16.4	63
224	Impact of Size Dispersity, Ligand Coverage, and Ligand Length on the Structure of PbS Nanocrystal Superlattices. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 807-816	9.6	62
223	Contact-Induced Nucleation in High-Performance Bottom-Contact Organic Thin Film Transistors Manufactured by Large-Area Compatible Solution Processing. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2371-2378	15.6	60
222	Restructuring in block copolymer thin films: In situ GISAXS investigations during solvent vapor annealing. <i>Progress in Polymer Science</i> , <b>2017</b> , 66, 80-115	29.6	60
221	Guiding crystallization around bends and sharp corners. <i>Advanced Materials</i> , <b>2012</b> , 24, 2692-8	24	58
220	Kinetic Stabilization of the Sol-Gel State in Perovskites Enables Facile Processing of High-Efficiency Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808357	24	57
219	Diffusion-Limited Crystallization: A Rationale for the Thermal Stability of Non-Fullerene Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21766-21774	9.5	56
218	Melting and Sintering of a Body-Centered Cubic Superlattice of PbSe Nanocrystals Followed by Small Angle X-ray Scattering. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6397-6404	3.8	55
217	Observation of Capillary Waves on Liquid Thin Films from Mesoscopic to Atomic Length Scales. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3470-3473	7.4	55
216	Lamellar Diblock Copolymer Thin Films during Solvent Vapor Annealing Studied by GISAXS: Different Behavior of Parallel and Perpendicular Lamellae. <i>Macromolecules</i> , <b>2014</b> , 47, 5711-5718	5.5	53
215	Surface engineering of styrene/PEGylated-fluoroalkyl styrene block copolymer thin films. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 267-284	2.5	52
214	Late stage crystallization and healing during spin-coating enhance carrier transport in small-molecule organic semiconductors. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5681-5689	7.1	51
213	Molecular self-assembly at bare semiconductor surfaces: cooperative substrate-molecule effects in octadecanethiolate monolayer assemblies on GaAs(111), (110), and (100). <i>ACS Nano</i> , <b>2010</b> , 4, 3447-65	16.7	51
212	Synergistic Impact of Solvent and Polymer Additives on the Film Formation of Small Molecule Blend Films for Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501121	21.8	50
211	Toward Additive-Free Small-Molecule Organic Solar Cells: Roles of the Donor Crystallization Pathway and Dynamics. <i>Advanced Materials</i> , <b>2015</b> , 27, 7285-92	24	50
210	Integrating in situ high pressure small and wide angle synchrotron x-ray scattering for exploiting new physics of nanoparticle supercrystals. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 093902	1.7	50
209	Structural instabilities in lamellar diblock copolymer thin films during solvent vapor uptake. <i>Langmuir</i> , <b>2008</b> , 24, 13815-8	4	50
208	Molecular weight-gyration radius relation of globular proteins: a comparison of light scattering, small-angle X-ray scattering and structure-based data. <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 1604-1606	3.8	49



207	GISAXS Characterization of Order in Hexagonal Monolayers of FePt Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14427-14432	3.8	49
206	Crystalline Gibbs monolayers of DNA-capped nanoparticles at the air-liquid interface. <i>ACS Nano</i> , <b>2011</b> , 5, 7978-85	16.7	49
205	Ambient blade coating of mixed cation, mixed halide perovskites without dripping: in situ investigation and highly efficient solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1095-1104	13	49
204	Scherrer grain-size analysis adapted to grazing-incidence scattering with area detectors. Erratum. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 286-286	3.8	48
203	An Efficient Route to Mesoporous Silica Films with Perpendicular Nanochannels. <i>Advanced Materials</i> , <b>2008</b> , 20, 246-251	24	48
202	Ordered structure rearrangements in heated gold nanocrystal superlattices. <i>Nano Letters</i> , <b>2013</b> , 13, 5710-5715	10.45	47
201	Using Molecular Design to Increase Hole Transport: Backbone Fluorination in the Benchmark Material Poly(2,5-bis(3-alkylthiophen-2-yl)thieno[3,2-b]thiophene (pBTTT). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7038-7048	15.6	47
200	Reversible Kirkwood-Alder transition observed in Pt <sub>3</sub> Cu <sub>2</sub> nanooctahedron assemblies under controlled solvent annealing/drying conditions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14043-14049	16.4	47
199	Time-resolved GISAXS and cryo-microscopy characterization of block copolymer membrane formation. <i>Polymer</i> , <b>2014</b> , 55, 1327-1332	3.9	46
198	Heterogeneous Nucleation Promotes Carrier Transport in Solution-Processed Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 291-297	15.6	46
197	Low packing density self-assembled superstructure of octahedral Pt <sub>3</sub> Ni nanocrystals. <i>Nano Letters</i> , <b>2011</b> , 11, 2912-8	11.5	44
196	Coherent x-ray diffraction imaging of silicon oxide growth. <i>Physical Review B</i> , <b>1999</b> , 60, 9965-9972	3.3	44
195	Evidence for a soft-phonon mechanism in the reconstruction of the Mo(001) surface. <i>Physical Review B</i> , <b>1989</b> , 40, 1338-1340	3.3	44
194	Two-dimensional gold trisoctahedron nanoparticle superlattice sheets: self-assembly, characterization and immunosensing applications. <i>Nanoscale</i> , <b>2018</b> , 10, 5065-5071	7.7	43
193	Surface Induced Tilt Propagation in Thin Films of Semifluorinated Liquid Crystalline Side Chain Block Copolymers. <i>Macromolecules</i> , <b>2007</b> , 40, 81-89	5.5	42
192	Conducting and Stretchable PEDOT:PSS Electrodes: Role of Additives on Self-Assembly, Morphology, and Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17570-17582	9.5	41
191	Poly(N-isopropylacrylamide) surfactant-functionalized responsive silver nanoparticles and superlattices. <i>ACS Nano</i> , <b>2014</b> , 8, 4799-804	16.7	41
190	Solvent vapor annealing in the molecular regime drastically improves carrier transport in small-molecule thin-film transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2325-30	9.5	41

189	Vertical alignment of multilayered quantum dots studied by x-ray grazing-incidence diffraction. <i>Physical Review B</i> , <b>1999</b> , 60, 2516-2521	3.3	40
188	Multilayer X-ray optics at CHESS. <i>Journal of Synchrotron Radiation</i> , <b>2006</b> , 13, 204-10	2.4	39
187	Geometry-independent intensity correction factors for grazing-incidence diffraction. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 1706-1710	1.7	38
186	Rational Design of Organic Semiconductors for Texture Control and Self-Patterning on Halogenated Surfaces. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5052-5058	15.6	37
185	Crystallization of DNA-capped gold nanoparticles in high-concentration, divalent salt environments. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1316-9	16.4	37
184	Observation of intermediate-range order in a nominally amorphous molecular semiconductor film. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1458-1461		37
183	Impact of the Solvation State of Lead Iodide on Its Two-Step Conversion to MAPbI <sub>3</sub> : An In Situ Investigation. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807544	15.6	36
182	Stacking of hexagonal nanocrystal layers during Langmuir-Blodgett deposition. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 6017-26	3.4	36
181	Resolution and intensity considerations of an ideal He atom time-of-flight spectrometer for measurements of surface phonon dispersion curves. <i>Review of Scientific Instruments</i> , <b>1988</b> , 59, 2185-2194	1.7	36
180	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1725-1736	35.4	35
179	Stepwise Swelling of a Thin Film of Lamellae-Forming Poly(styrene- <i>b</i> -butadiene) in Cyclohexane Vapor. <i>Macromolecules</i> , <b>2012</b> , 45, 5185-5195	5.5	35
178	The quantum-confined Stark effect in layered hybrid perovskites mediated by orientational polarizability of confined dipoles. <i>Nature Communications</i> , <b>2018</b> , 9, 4214	17.4	35
177	Importance of C <sub>2</sub> symmetry for the device performance of a newly synthesized family of fused-ring thiophenes. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2770-2779	9.6	33
176	A disordered layered phase in thin films of sexithiophene. <i>Chemical Physics Letters</i> , <b>2013</b> , 574, 51-55	2.5	32
175	Self-Assembly and Thermal Stability of Binary Superlattices of Gold and Silicon Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4,	6.4	32
174	In Situ Study of Evaporation-Induced Surface Structure Evolution in Asymmetric Triblock Terpolymer Membranes. <i>Macromolecules</i> , <b>2016</b> , 49, 4195-4201	5.5	31
173	In-plane alignment of para-sexiphenyl films grown on KCl(0 0 1). <i>Applied Surface Science</i> , <b>2002</b> , 189, 24-30	3.7	31
172	On the coexistence of different polymorphs in organic epitaxy: $\sqrt{2} \times \sqrt{2}$ phase of PTCDA on Ag(1 1 1). <i>Applied Surface Science</i> , <b>2001</b> , 175-176, 332-336	6.7	31



171	Bismuth-Based Perovskite-Inspired Solar Cells: In Situ Diagnostics Reveal Similarities and Differences in the Film Formation of Bismuth- and Lead-Based Films. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800305	7.1	30
170	Nanocrystal superlattices that exhibit improved order on heating: an example of inverse melting?. <i>Faraday Discussions</i> , <b>2015</b> , 181, 181-92	3.6	30
169	Stepwise self-assembly of ordered supramolecular assemblies based on coordination chemistry. <i>Langmuir</i> , <b>2006</b> , 22, 2082-9	4	30
168	. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 54-63	9.6	30
167	Surface morphology and in-plane-epitaxy of SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> F <sub>1-x</sub> Films on SrTiO <sub>3</sub> (001) substrates studied by STM and grazing incidence x-ray diffraction. <i>Solid State Communications</i> , <b>1996</b> , 98, 157-161	1.6	29
166	Orientationally Ordered Silicon Nanocrystal Cuboctahedra in Superlattices. <i>Nano Letters</i> , <b>2016</b> , 16, 7814-7821	11.3	28
165	Single crystalline nature of para-sexiphenyl crystallites grown on KCl(100). <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 698-703	1.3	28
164	X-ray diffraction study of a semiconductor/electrolyte interface:. <i>Surface Science</i> , <b>1996</b> , 352-354, 346-351.8	1.8	28
163	2D Freestanding Janus Gold Nanocrystal Superlattices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900989	24	27
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