

Frank Schreiber

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.

351
papers

15,608
citations

60
h-index

113
g-index

366
ext. papers

17,072
ext. citations

5.4
avg, IF

6.78
L-index

#	Paper	IF	Citations
351	Switchable Bactoglobulin (BLG) adsorption on protein resistant oligo (ethylene glycol) (OEG) self-assembled monolayers (SAMs). <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1673-1683	9.3	2
350	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals.. <i>Nature Communications</i> , 2022 , 13, 892	17.4	2
349	Molecular Charge Transfer Effects on Perylene Diimide Acceptor and Dinaphthothienothiophene Donor Systems. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4188-4198	3.8	1
348	Neural network analysis of neutron and X-ray reflectivity data: automated analysis using , experimental errors and feature engineering.. <i>Journal of Applied Crystallography</i> , 2022 , 55, 362-369	3.8	1
347	Thickness-Dependent Energy-Level Alignment at the Organic/Organic Interface Induced by Templated Gap States. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101382	4.6	1
346	Perovskite-organic tandem solar cells with indium oxide interconnect.. <i>Nature</i> , 2022 , 604, 280-286	50.4	35
345	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. <i>Journal of Luminescence</i> , 2022 , 248, 118950	3.8	1
344	New horizons for the synthesis of nanoparticles: Germanium nanoparticles from metastable GeBr-solutions. <i>Main Group Metal Chemistry</i> , 2021 , 44, 243-249	1.6	
343	Molecular Flexibility of Antibodies Preserved Even in the Dense Phase after Macroscopic Phase Separation. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4162-4169	5.6	2
342	The Role of Alkyl Chain Length and Halide Counter Ion in Layered Dion-Jacobson Perovskites with Aromatic Spacers. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10325-10332	6.4	4
341	Roadmap on organic/inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021 , 9, 109202	5.7	28
340	Kinetics of Network Formation and Heterogeneous Dynamics of an Egg White Gel Revealed by Coherent X-Ray Scattering. <i>Physical Review Letters</i> , 2021 , 126, 098001	7.4	7
339	Structure of Thin Films of [6] and [7]Phenacene and Impact of Potassium Deposition. <i>Advanced Optical Materials</i> , 2021 , 9, 2002193	8.1	1
338	Thin film growth of phase-separating phthalocyanine-fullerene blends: A combined experimental and computational study. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
337	Microscopic Dynamics of Liquid-Liquid Phase Separation and Domain Coarsening in a Protein Solution Revealed by X-Ray Photon Correlation Spectroscopy. <i>Physical Review Letters</i> , 2021 , 126, 138004	7.4	7
336	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure FAPbI. <i>Science Advances</i> , 2021 , 7,	14.3	17
335	Quantifying Stabilized Phase Purity in Formamidinium-Based Multiple-Cation Hybrid Perovskites. <i>Chemistry of Materials</i> , 2021 , 33, 2769-2776	9.6	4

334	Nanoimaging of Orientational Defects in Semiconducting Organic Films. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9229-9235	3.8	1
333	Orientation of Few-Layer MoS ₂ Films: In-Situ X-ray Scattering Study During Sulfurization. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9461-9468	3.8	3
332	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. <i>Advanced Functional Materials</i> , 2021 , 31, 2101163	15.6	10
331	Structural and Trap-State Density Enhancement in Flash Infrared Annealed Perovskite Layers. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100355	4.6	2
330	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021 , 12, 3383	17.4	17
329	Interplay between Kinetics and Dynamics of Liquid-Liquid Phase Separation in a Protein Solution Revealed by Coherent X-ray Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7085-7090	6.4	0
328	Neural network analysis of neutron and x-ray reflectivity data: pathological cases, performance and perspectives. <i>Machine Learning: Science and Technology</i> , 2021 , 2, 045003	5.1	3
327	Roughness evolution in strongly interacting donor:acceptor mixtures of molecular semiconductors. An in situ, real-time growth study using x-ray reflectivity. <i>Journal of Physics Condensed Matter</i> , 2021 , 33, 115003	1.8	1
326	Pentacene/perfluoropentacene bilayers on Au(111) and Cu(111): impact of organic/metal coupling strength on molecular structure formation. <i>Nanoscale Advances</i> , 2021 , 3, 2598-2606	5.1	5
325	Bulk Phase Behavior vs Interface Adsorption: Specific Multivalent Cation and Anion Effects on BSA Interactions. <i>Langmuir</i> , 2021 , 37, 139-150	4	8
324	Crystallization of 2D Hybrid Organic/Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021 , 31, 2009007	15.6	4
323	Temperature and salt controlled tuning of protein clusters. <i>Soft Matter</i> , 2021 , 17, 8506-8516	3.6	2
322	Polymorphism and structure formation in copper phthalocyanine thin films. <i>Journal of Applied Crystallography</i> , 2021 , 54, 203-210	3.8	3
321	Lattice gas study of thin-film growth scenarios and transitions between them: Role of substrate. <i>Physical Review E</i> , 2021 , 103, 023302	2.4	7
320	Human versus Bovine Serum Albumin: A Subtle Difference in Hydrophobicity Leads to Large Differences in Bulk and Interface Behavior. <i>Crystal Growth and Design</i> , 2021 , 21, 5451-5459	3.5	5
319	On the Origin of Gap States in Molecular Semiconductors: A Combined UPS, AFM, and X-ray Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17929-17938	3.8	0
318	Bulk phase behaviour vs interface adsorption: Effects of anions and isotopes on β -lactoglobulin (BLG) interactions. <i>Journal of Colloid and Interface Science</i> , 2021 , 598, 430-443	9.3	2
317	Nanoscale Phase Segregation in Supramolecular Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1529-1538	16.4	26

3 ¹⁶	Protein Crystallization in the Presence of a Metastable Liquid-Liquid Phase Separation. <i>Crystal Growth and Design</i> , 2020 , 20, 7951-7962	3.5	6
3 ¹⁵	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15688-15694	16.4	115
3 ¹⁴	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI ₃ Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. <i>Angewandte Chemie</i> , 2020 , 132, 15818-15824	3.6	11
3 ¹³	Multivalent ions and biomolecules: Attempting a comprehensive perspective. <i>ChemPhysChem</i> , 2020 , 21, 1742-1767	3.2	27
3 ¹²	Energy Level Engineering in Organic Thin Films by Tailored Halogenation. <i>Advanced Functional Materials</i> , 2020 , 30, 2002987	15.6	4
3 ¹¹	Binding and electronic level alignment of π -conjugated systems on metals. <i>Reports on Progress in Physics</i> , 2020 , 83, 066501	14.4	16
3 ¹⁰	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. <i>Crystal Growth and Design</i> , 2020 , 20, 5269-5276	3.5	4
3 ⁰⁹	Enhanced protein adsorption upon bulk phase separation. <i>Scientific Reports</i> , 2020 , 10, 10349	4.9	8
3 ⁰⁸	Heteromolecular Bilayers on a Weakly Interacting Substrate: Physisorptive Bonding and Molecular Distortions of Copper-Hexadecafluorophthalocyanine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14542-14551	9.5	6
3 ⁰⁷	Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-ray Diffraction. <i>Langmuir</i> , 2020 , 36, 1898-1906	4	6
3 ⁰⁶	Reorientation of π -conjugated molecules on few-layer MoS films. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3097-3104	3.6	8
3 ⁰⁵	Unification of lower and upper critical solution temperature phase behavior of globular protein solutions in the presence of multivalent cations. <i>Soft Matter</i> , 2020 , 16, 2128-2134	3.6	8
3 ⁰⁴	Structure-Dependent Charge Transfer in Molecular Perylene-Based Donor/Acceptor Systems and Role of Side Chains. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11639-11651	3.8	5
3 ⁰³	Ordered Donor-Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11023-11031	3.8	3
3 ⁰²	X-ray standing waves reveal lack of OH termination at hydroxylated ZnO(0001) surfaces. <i>Physical Review Materials</i> , 2020 , 4,	3.2	4
3 ⁰¹	Impact of fluorination on interface energetics and growth of pentacene on Ag(111). <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1361-1370	3	2
3 ⁰⁰	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. <i>CrystEngComm</i> , 2020 , 22, 7095-7103	3.3	1
2 ⁹⁹	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020 , 30, 2003428	15.6	34

298	Minimizing the Trade-Off between Photocurrent and Photovoltage in Triple-Cation Mixed-Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10188-10195	6.4	20
297	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. <i>Nature Communications</i> , 2020 , 11, 6188	17.4	12
296	Packing and dynamics of a protein solution approaching the jammed state. <i>Soft Matter</i> , 2020 , 16, 7751-7759	3.6	5
295	Evolution of the structure and dynamics of bovine serum albumin induced by thermal denaturation. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18507-18517	3.6	5
294	Structure-Transport Correlation Reveals Anisotropic Charge Transport in Coupled PbS Nanocrystal Superlattices. <i>Advanced Materials</i> , 2020 , 32, e2002254	24	12
293	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17732-17740	13	7
292	Interplay between Glass Formation and Liquid-Liquid Phase Separation Revealed by the Scattering Invariant. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7273-7278	6.4	8
291	A neutron scattering perspective on the structure, softness and dynamics of the ligand shell of PbS nanocrystals in solution. <i>Chemical Science</i> , 2020 , 11, 8875-8884	9.4	3
290	Revealing Structure and Crystallographic Orientation of Soft Epitaxial Assembly of Nanocrystals by Grazing Incidence X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6324-6330	6.4	6
289	Energy-level alignment at strongly coupled organic-metal interfaces. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 194002	1.8	8
288	Phase-Separation Kinetics in Protein-Salt Mixtures with Compositionally Tuned Interactions. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1913-1919	3.4	8
287	Ultrahydrophobic 3D/2D fluoroarene bilayer-based water-resistant perovskite solar cells with efficiencies exceeding 22. <i>Science Advances</i> , 2019 , 5, eaaw2543	14.3	362
286	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. <i>Nature Communications</i> , 2019 , 10, 2466	17.4	56
285	Dynamics of proteins in solution. <i>Quarterly Reviews of Biophysics</i> , 2019 , 52,	7	41
284	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1709-1715	6.4	20
283	In situ formation of electronically coupled superlattices of CuS nanodiscs at the liquid/air interface. <i>Chemical Communications</i> , 2019 , 55, 4805-4808	5.8	1
282	Dye-Sensitized Ternary Copper Chalcogenide Nanocrystals: Optoelectronic Properties, Air Stability, and Photosensitivity. <i>Chemistry of Materials</i> , 2019 , 31, 2443-2449	9.6	7
281	Neutron spectroscopy on protein solutions employing backscattering with an increased energy range. <i>Physica B: Condensed Matter</i> , 2019 , 562, 31-35	2.8	1

280	Template-Free Orientation Selection of Rod-Like Molecular Semiconductors in Polycrystalline Films. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1031-1036	6.4	13
279	Revealing Suppressed Intermolecular Coupling Effects in Aggregated Organic Semiconductors by Diluting the Crystal: Model System Perfluoropentacene:Picene. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 7016-7020	2.8	2
278	Ground-state charge-transfer interactions in donor:acceptor pairs of organic semiconductors - a spectroscopic study of two representative systems. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17190-17199 ⁸	3.6	8
277	Diindenoperylene thin-film structure on MoS ₂ monolayer. <i>Applied Physics Letters</i> , 2019 , 114, 251906	3.4	10
276	Following Protein Dynamics in Real Time during Crystallization. <i>Crystal Growth and Design</i> , 2019 , 19, 7036-7045	3.5	4
275	Excited-State Dynamics in Perylene-Based Organic Semiconductor Thin Films: Theory Meets Experiment. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27561-27572	3.8	12
274	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2019 , 151, 164706	3.9	16
273	Revealing Grain Boundaries and Defect Formation in Nanocrystal Superlattices by Nanodiffraction. <i>Small</i> , 2019 , 15, e1904954	11	17
272	Fast fitting of reflectivity data of growing thin films using neural networks. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1342-1347	3.8	15
271	Shaping and polarizing fluorescence emission of a polycrystalline organic semiconductor film by plasmonic nanogratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, E9	1.7	1
270	Angular X-Ray Cross-Correlation Analysis (AXCCA): Basic Concepts and Recent Applications to Soft Matter and Nanomaterials. <i>Materials</i> , 2019 , 12,	3.5	13
269	Understanding the Formation of Conductive Mesocrystalline Superlattices with Cubic PbS Nanocrystals at the Liquid/Air Interface. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1519-1526	3.8	13
268	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , 2018 , 9, 954	17.4	50
267	Temperature Dependent Epitaxial Growth of C60 Overlayers on Single Crystal Pentacene. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800084	4.6	11
266	Bilayer Formation vs Molecular Exchange in Organic Heterostructures: Strong Impact of Subtle Changes in Molecular Structure. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9480-9490	3.8	20
265	Monitoring Self-Assembly and Ligand Exchange of PbS Nanocrystal Superlattices at the Liquid/Air Interface in Real Time. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 739-744	6.4	30
264	Interrupted Growth to Manipulate Phase Separation in DIP:C60 Organic Semiconductor Blends. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1839-1845	3.8	4
263	Real-Time Structural and Optical Study of Growth and Packing Behavior of Perylene Diimide Derivative Thin Films: Influence of Side-Chain Modification. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8589-8601	3.8	11

262	Tunable Charge Transport in Hybrid Superlattices of Indium Tin Oxide Nanocrystals and Metal Phthalocyanines toward Sensing Applications. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701623	4.6	10
261	Electron-Conducting PbS Nanocrystal Superlattices with Long-Range Order Enabled by Terthiophene Molecular Linkers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24708-24714	9.5	10
260	Thin-Film Texture and Optical Properties of Donor/Acceptor Complexes. Diindenoperylene/F6TCNNQ vs Alpha-Sexithiophene/F6TCNNQ. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18705-18714	3.8	12
259	Nanosecond Tracer Diffusion as a Probe of the Solution Structure and Molecular Mobility of Protein Assemblies: The Case of Ovalbumin. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 8343-8350	3.4	10
258	Two time scales for self and collective diffusion near the critical point in a simple patchy model for proteins with floating bonds. <i>Soft Matter</i> , 2018 , 14, 8006-8016	3.6	5
257	Resolving intramolecular-distortion changes induced by the partial fluorination of pentacene adsorbed on Cu(111). <i>Physical Review Materials</i> , 2018 , 2,	3.2	8
256	Tuning phase transitions of aqueous protein solutions by multivalent cations. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27214-27225	3.6	27
255	Reentrant Phase Behavior in Protein Solutions Induced by Multivalent Salts: Strong Effect of Anions Cl Versus NO ₃ . <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11978-11985	3.4	25
254	Kinetics of Ion-Exchange Reactions in Hybrid Organic-Inorganic Perovskite Thin Films Studied by In Situ Real-Time X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 6750-6754	6.4	16
253	Thin Films of Organic Molecules 2018 , 551-570		1
252	Electronically Coupled, Two-Dimensional Assembly of Cu _{1.15} Nanodiscs for Selective Vapor Sensing Applications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23720-23727	3.8	5
251	Molecular structure of the substrate-induced thin-film phase of tetracene. <i>Journal of Chemical Physics</i> , 2018 , 149, 144701	3.9	14
250	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2819-2826	5.6	15
249	Structure, transport and photoconductance of PbS quantum dot monolayers functionalized with a copper phthalocyanine derivative. <i>Chemical Communications</i> , 2017 , 53, 1700-1703	5.8	27
248	Limits of size scalability of diffusion and growth: Atoms versus molecules versus colloids. <i>Physical Review E</i> , 2017 , 95, 020801	2.4	12
247	Homoepitaxy of Crystalline Rubrene Thin Films. <i>Nano Letters</i> , 2017 , 17, 3040-3046	11.5	19
246	Surface Functionalization with Copper Tetraaminophthalocyanine Enables Efficient Charge Transport in Indium Tin Oxide Nanocrystal Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14197-14206	9.5	14
245	Function Follows Form: Correlation between the Growth and Local Emission of Perovskite Structures and the Performance of Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1701433	15.6	22

244	Quantifying Angular Correlations between the Atomic Lattice and the Superlattice of Nanocrystals Assembled with Directional Linking. <i>Nano Letters</i> , 2017 , 17, 3511-3517	11.5	36
243	Effect of Phosphorylation on a Human-like Osteopontin Peptide. <i>Biophysical Journal</i> , 2017 , 112, 1586-1596		22
242	Effective Interactions and Colloidal Stability of Bovine β Globulin in Solution. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 5759-5769	3.4	18
241	Time-resolved photoluminescence spectroscopy of charge transfer states in blends of pentacene and perfluoropentacene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700064	2.5	7
240	Crowding-Controlled Cluster Size in Concentrated Aqueous Protein Solutions: Structure, Self- and Collective Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2590-2596	6.4	31
239	Delayed phase separation in growth of organic semiconductor blends with limited intermixing. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1600428	2.5	1
238	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8474-8486	16.4	30
237	Monolayers of hard rods on planar substrates. II. Growth. <i>Journal of Chemical Physics</i> , 2017 , 146, 084903	3.9	11
236	Structural, optical, and electronic characterization of perfluorinated sexithiophene films and mixed films with sexithiophene. <i>Journal of Materials Research</i> , 2017 , 32, 1908-1920	2.5	7
235	Strong Isotope Effects on Effective Interactions and Phase Behavior in Protein Solutions in the Presence of Multivalent Ions. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1731-1739	3.4	30
234	Charge Separation at Nanostructured Molecular Donor-Acceptor Interfaces. <i>Advances in Polymer Science</i> , 2017 , 77-108	1.3	2
233	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24657-24668	3.8	25
232	Perovskite solar cells with CuSCN hole extraction layers yield stabilized efficiencies greater than 20. <i>Science</i> , 2017 , 358, 768-771	33.3	1030
231	Molecular doping in organic semiconductors: fully solution-processed, vacuum-free doping with metal-organic complexes in an orthogonal solvent. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12023-12030	7.1	41
230	Influence of C co-deposition on the growth kinetics of diindenoperylene-From rapid roughening to layer-by-layer growth in blended organic films. <i>Journal of Chemical Physics</i> , 2017 , 146, 052807	3.9	6
229	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21011-21017	3.8	7
228	Ultrafast Excited State Dynamics in Diindenoperylene Films. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17900-17906	3.8	4
227	Multivalent-Ion-Activated Protein Adsorption Reflecting Bulk Reentrant Behavior. <i>Physical Review Letters</i> , 2017 , 119, 228001	7.4	25

226	Arrested and temporarily arrested states in a protein-polymer mixture studied by USAXS and VSANS. <i>Soft Matter</i> , 2017 , 13, 8756-8765	3.6	9
225	Metal-organic interface functionalization via acceptor end groups: PTCDI on coinage metals. <i>Physical Review Materials</i> , 2017 , 1,	3.2	16
224	Enhancing light absorption in organic semiconductor thin films by one-dimensional gold nanowire gratings. <i>Physical Review Materials</i> , 2017 , 1,	3.2	4
223	Cation-Induced Hydration Effects Cause Lower Critical Solution Temperature Behavior in Protein Solutions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7731-6	3.4	42
222	Kinetics of liquid-liquid phase separation in protein solutions exhibiting LCST phase behavior studied by time-resolved USAXS and VSANS. <i>Soft Matter</i> , 2016 , 12, 9334-9341	3.6	42
221	Structural Evolution of Metastable Protein Aggregates in the Presence of Trivalent Salt Studied by (V)SANS and SAXS. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5564-71	3.4	23
220	Enhanced Stability of Rubrene against Oxidation by Partial and Complete Fluorination. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5515-5522	3.8	19
219	Adsorption Behavior of Nonplanar Phthalocyanines: Competition of Different Adsorption Conformations. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6869-6875	3.8	9
218	Nitrogen substitution impacts organic-metal interface energetics. <i>Physical Review B</i> , 2016 , 94,	3.3	12
217	Revealing nanoscale optical properties and morphology in perfluoropentacene films by confocal and tip-enhanced near-field optical microscopy and spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15919-26	3.6	8
216	Epitaxial Growth of an Organic p-n Heterojunction: C60 on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13499-505	9.5	40
215	Growth and annealing kinetics of hexithiophene and fullerene C60 mixed films. <i>Journal of Applied Crystallography</i> , 2016 , 49, 1266-1275	3.8	8
214	Site-Specific Ligand Interactions Favor the Tetragonal Distortion of PbS Nanocrystal Superlattices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22526-33	9.5	26
213	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. <i>Organic Electronics</i> , 2015 , 18, 17-23	3.5	43
212	Salt-Induced Universal Slowing Down of the Short-Time Self-Diffusion of a Globular Protein in Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2577-82	6.4	29
211	Excited-State Dynamics of Diindenoperylene in Liquid Solution and in Solid Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 12856-12864	3.8	15
210	Solvent vapor annealing on perylene-based organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15700-15709	13	25
209	Interface Dipole and Growth Mode of Partially and Fully Fluorinated Rubrene on Au(111) and Ag(111). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6769-6776	3.8	12

208	Vibrational modes and changing molecular conformation of perfluororubrene in thin films and solution. <i>Journal of Chemical Physics</i> , 2015 , 142, 224703	3.9	5
207	Templating Effects of Hexithiophene in Donor-Acceptor Organic Thin Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23211-23220	3.8	9
206	Toward Conductive Mesocrystalline Assemblies: PbS Nanocrystals Cross-Linked with Tetrathiafulvalene Dicarboxylate. <i>Chemistry of Materials</i> , 2015 , 27, 8105-8115	9.6	26
205	Coupled organic-inorganic nanostructures (COIN). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 97-111	3.6	39
204	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015 , 118, 075501	2.5	30
203	Controlling length-scales of the phase separation to optimize organic semiconductor blends. <i>Applied Physics Letters</i> , 2015 , 107, 201903	3.4	8
202	High-resolution neutron spectroscopy on protein solution samples. <i>EPJ Web of Conferences</i> , 2015 , 83, 02005	0.3	17
201	Identification of an organic semiconductor superlattice structure of pentacene and perfluoro-pentacene through resonant and non-resonant X-ray scattering. <i>AIP Advances</i> , 2015 , 5, 117241-5	1.5	8
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