Frank Schreiber

List of Publications by Year
in descending order

363 papers	18,648 citations	15504 65 h-index	17105 122 g-index
366 all docs	366 docs citations	366 times ranked	17253 citing authors

#	Article	IF	Citations
1	Switchable <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.svg"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-lactoglobulin (BLG) adsorption on protein resistant oligo (ethylene glycol) (OEG) self-assembled monolayers (SAMs). Journal of Colloid and Interface Science, 2022, 606, 1673-1683.	9.4	5
2	Thin films of electron donorâ€“acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping. Materials Advances, 2022, 3, 1017-1034.	5.4	3
3	Role of entropy in determining the phase behavior of protein solutions induced by multivalent ions. Soft Matter, 2022, 18, 592-601.	2.7	3
4	Preserving the stoichiometry of triple-cation perovskites by carrier-gas-free antisolvent spraying. Journal of Materials Chemistry A, 2022, 10, 19743-19749.	10.3	6
5	Short-range organization and photophysical properties of CdSe quantum dots coupled with aryleneethynylenes. Nanotechnology, 2022, 33, 230001.	2.6	1
6	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals. Nature Communications, 2022, 13, 892.	12.8	15
7	Molecular Charge Transfer Effects on Perylene Diimide Acceptor and Dinaphthothienothiophene Donor Systems. Journal of Physical Chemistry C, 2022, 126, 4188-4198.	3.1	7
8	Neural network analysis of neutron and X-ray reflectivity data: automated analysis using mlreflect, experimental errors and feature engineering. Journal of Applied Crystallography, 2022, 55, 362-369.	4.5	7
9	Thicknessâ€Dependent Energyâ€Level Alignment at the Organicâ€“Organic Interface Induced by Templated Gap States. Advanced Materials Interfaces, 2022, 9, .	3.7	3
10	Perovskiteâ€“organic tandem solar cells with indium oxide interconnect. Nature, 2022, 604, 280-286.	27.8	181
11	Kinetics and energeticsÂof metal halide perovskite conversion reactions at the nanoscale. Communications Materials, 2022, 3, .	6.9	12
12	Tracking perovskite crystallization via deep learning-based feature detection on 2D X-ray scattering data. Npj Computational Materials, 2022, 8, .	8.7	9
13	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. Journal of Luminescence, 2022, 248, 118950.	3.1	1
14	Reverse-engineering method for XPCS studies of non-equilibrium dynamics. IUCrJ, 2022, 9, 439-448.	2.2	4
15	Optical Properties of Perovskiteâ€Organic Multiple Quantum Wells. Advanced Science, 2022, 9, .	11.2	9
16	Nonequilibrium Roughness Evolution of Small Molecule Mixed Films Reflecting Equilibrium Phase Behavior. Journal of Physical Chemistry C, 2022, 126, 11348-11357.	3.1	0
17	Roughness evolution in strongly interacting donor:acceptor mixtures of molecular semiconductors. An in situ, real-time growth study using x-ray reflectivity. Journal of Physics Condensed Matter, 2021, 33, 115003.	1.8	1
18	Pentacene/perfluoropentacene bilayers on Au(111) and Cu(111): impact of organicâ€“metal coupling strength on molecular structure formation. Nanoscale Advances, 2021, 3, 2598-2606.	4.6	8

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19	Bulk Phase Behavior vs Interface Adsorption: Specific Multivalent Cation and Anion Effects on BSA Interactions. Langmuir, 2021, 37, 139-150.	3.5	22
20	Crystallization of 2D Hybrid Organicâ€“Inorganic Perovskites Templated by Conductive Substrates. Advanced Functional Materials, 2021, 31, 2009007.	14.9	14
21	Temperature and salt controlled tuning of protein clusters. Soft Matter, 2021, 17, 8506-8516.	2.7	7
22	Polymorphism and structure formation in copper phthalocyanine thin films. Journal of Applied Crystallography, 2021, 54, 203-210.	4.5	6
23	Lattice gas study of thin-film growth scenarios and transitions between them: Role of substrate. Physical Review E, 2021, 103, 023302.	2.1	13
24	Kinetics of Network Formation and Heterogeneous Dynamics of an Egg White Gel Revealed by Coherent X-Ray Scattering. Physical Review Letters, 2021, 126, 098001.	7.8	28
25	Structure of Thin Films of [6] and [7]Phenacene and Impact of Potassium Deposition. Advanced Optical Materials, 2021, 9, 2002193.	7.3	3
26	Thin film growth of phase-separating phthalocyanine-fullerene blends: A combined experimental and computational study. Physical Review Materials, 2021, 5, .	2.4	2
27	Microscopic Dynamics of Liquid-Liquid Phase Separation and Domain Coarsening in a Protein Solution Revealed by X-Ray Photon Correlation Spectroscopy. Physical Review Letters, 2021, 126, 138004.	7.8	38
28	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure Î±-FAPbI ₃. Science Advances, 2021, 7, .	10.3	49
29	Quantifying Stabilized Phase Purity in Formamidinium-Based Multiple-Cation Hybrid Perovskites. Chemistry of Materials, 2021, 33, 2769-2776.	6.7	13
30	Nanoimaging of Orientational Defects in Semiconducting Organic Films. Journal of Physical Chemistry C, 2021, 125, 9229-9235.	3.1	8
31	Orientation of Few-Layer MoS₂ Films: In-Situ X-ray Scattering Study During Sulfurization. Journal of Physical Chemistry C, 2021, 125, 9461-9468.	3.1	7
32	Benzylammoniumâ€Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. Advanced Functional Materials, 2021, 31, 2101163.	14.9	28
33	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. Physical Review Materials, 2021, 5, .	2.4	5
34	Structural and Trapâ€State Density Enhancement in Flash Infrared Annealed Perovskite Layers. Advanced Materials Interfaces, 2021, 8, 2100355.	3.7	8
35	Multimodal hostâ€“guest complexation for efficient and stable perovskite photovoltaics. Nature Communications, 2021, 12, 3383.	12.8	72
36	Interplay between Kinetics and Dynamics of Liquidâ€“Liquid Phase Separation in a Protein Solution Revealed by Coherent X-ray Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 7085-7090.	4.6	8

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37	Neural network analysis of neutron and x-ray reflectivity data: pathological cases, performance and perspectives. Machine Learning: Science and Technology, 2021, 2, 045003.	5.0	13
38	Human versus Bovine Serum Albumin: A Subtle Difference in Hydrophobicity Leads to Large Differences in Bulk and Interface Behavior. Crystal Growth and Design, 2021, 21, 5451-5459.	3.0	34
39	On the Origin of Gap States in Molecular Semiconductorsâ€"A Combined UPS, AFM, and X-ray Diffraction Study. Journal of Physical Chemistry C, 2021, 125, 17929-17938.	3.1	3
40	Bulk phase behaviour vs interface adsorption: Effects of anions and isotopes on Î²-lactoglobulin (BLG) interactions. Journal of Colloid and Interface Science, 2021, 598, 430-443.	9.4	3
41	Nanoscale Phase Segregation in Supramolecular Ï€-Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. Journal of the American Chemical Society, 2021, 143, 1529-1538.	13.7	55
42	Roadmap on organicâ€"inorganic hybrid perovskite semiconductors and devices. APL Materials, 2021, 9, .	5.1	102
43	New horizons for the synthesis of nanoparticles: Germanium nanoparticles from metastable GeBr-solutions. Main Group Metal Chemistry, 2021, 44, 243-249.	1.6	1
44	Molecular Flexibility of Antibodies Preserved Even in the Dense Phase after Macroscopic Phase Separation. Molecular Pharmaceutics, 2021, 18, 4162-4169.	4.6	10
45	The Role of Alkyl Chain Length and Halide Counter Ion in Layered Dionâ€"Jacobson Perovskites with Aromatic Spacers. Journal of Physical Chemistry Letters, 2021, 12, 10325-10332.	4.6	23
46	Protein Crystallization from a Preordered Metastable Intermediate Phase Followed by Real-Time Small-Angle Neutron Scattering. Crystal Growth and Design, 2021, 21, 6971-6980.	3.0	5
47	Impact of fluorination on interface energetics and growth of pentacene on Ag(111). Beilstein Journal of Nanotechnology, 2020, 11, 1361-1370.	2.8	4
48	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. CrystEngComm, 2020, 22, 7095-7103.	2.6	2
49	Formamidiniumâ€Based Dionâ€Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. Advanced Functional Materials, 2020, 30, 2003428.	14.9	61
50	Minimizing the Trade-Off between Photocurrent and Photovoltage in Triple-Cation Mixed-Halide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2020, 11, 10188-10195.	4.6	36
51	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. Nature Communications, 2020, 11, 6188.	12.8	32
52	Packing and dynamics of a protein solution approaching the jammed state. Soft Matter, 2020, 16, 7751-7759.	2.7	0
53	Evolution of the structure and dynamics of bovine serum albumin induced by thermal denaturation. Physical Chemistry Chemical Physics, 2020, 22, 18507-18517.	2.8	20
54	Structureâ€"Transport Correlation Reveals Anisotropic Charge Transport in Coupled PbS Nanocrystal Superlattices. Advanced Materials, 2020, 32, 2002254.	21.0	19

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55	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. Journal of Materials Chemistry A, 2020, 8, 17732-17740.	10.3	14
56	Interplay between Glass Formation and Liquidâ€“Liquid Phase Separation Revealed by the Scattering Invariant. Journal of Physical Chemistry Letters, 2020, 11, 7273-7278.	4.6	17
57	A neutron scattering perspective on the structure, softness and dynamics of the ligand shell of PbS nanocrystals in solution. Chemical Science, 2020, 11, 8875-8884.	7.4	3
58	Protein Crystallization in the Presence of a Metastable Liquidâ€“Liquid Phase Separation. Crystal Growth and Design, 2020, 20, 7951-7962.	3.0	17
59	Stabilization of Highly Efficient and Stable Phaseâ€Pure FAPbI₃ Perovskite Solar Cells by Molecularly Tailored 2Dâ€Overlayers. Angewandte Chemie - International Edition, 2020, 59, 15688-15694.	13.8	201
60	Stabilization of Highly Efficient and Stable Phaseâ€Pure FAPbI₃ Perovskite Solar Cells by Molecularly Tailored 2Dâ€Overlayers. Angewandte Chemie, 2020, 132, 15818-15824.	2.0	17
61	Multivalent ions and biomolecules: Attempting a comprehensive perspective. ChemPhysChem, 2020, 21, 1742-1767.	2.1	50
62	Energy Level Engineering in Organic Thin Films by Tailored Halogenation. Advanced Functional Materials, 2020, 30, 2002987.	14.9	9
63	Binding and electronic level alignment of Ï€-conjugated systems on metals. Reports on Progress in Physics, 2020, 83, 066501.	20.1	32
64	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. Crystal Growth and Design, 2020, 20, 5269-5276.	3.0	5
65	Enhanced protein adsorption upon bulk phase separation. Scientific Reports, 2020, 10, 10349.	3.3	11
66	Heteromolecular Bilayers on a Weakly Interacting Substrate: Physisorptive Bonding and Molecular Distortions of Copperâ€“Hexadecafluorophthalocyanine. ACS Applied Materials & Interfaces, 2020, 12, 14542-14551.	8.0	8
67	Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-ray Diffraction. Langmuir, 2020, 36, 1898-1906.	3.5	10
68	Reorientation of Ï€-conjugated molecules on few-layer MoS₂ films. Physical Chemistry Chemical Physics, 2020, 22, 3097-3104.	2.8	11
69	Unification of lower and upper critical solution temperature phase behavior of globular protein solutions in the presence of multivalent cations. Soft Matter, 2020, 16, 2128-2134.	2.7	9
70	Structure-Dependent Charge Transfer in Molecular Perylene-Based Donor/Acceptor Systems and Role of Side Chains. Journal of Physical Chemistry C, 2020, 124, 11639-11651.	3.1	10
71	Ordered Donorâ€“Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. Journal of Physical Chemistry C, 2020, 124, 11023-11031.	3.1	6
72	X-ray standing waves reveal lack of OH termination at hydroxylated ZnO(0001) surfaces. Physical Review Materials, 2020, 4, .	2.4	6

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73	Revealing Suppressed Intermolecular Coupling Effects in Aggregated Organic Semiconductors by Diluting the Crystal: Model System Perfluoropentacene:Picene. Journal of Physical Chemistry A, 2019, 123, 7016-7020.	2.5	2
74	Ground-state charge-transfer interactions in donor:acceptor pairs of organic semiconductors â€“ a spectroscopic study of two representative systems. Physical Chemistry Chemical Physics, 2019, 21, 17190-17199.	2.8	13
75	Diindenoperylene thin-film structure on MoS2 monolayer. Applied Physics Letters, 2019, 114, .	3.3	14
76	Following Protein Dynamics in Real Time during Crystallization. Crystal Growth and Design, 2019, 19, 7036-7045.	3.0	8
77	Excited-State Dynamics in Perylene-Based Organic Semiconductor Thin Films: Theory Meets Experiment. Journal of Physical Chemistry C, 2019, 123, 27561-27572.	3.1	18
78	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. Journal of Chemical Physics, 2019, 151, 164706.	3.0	22
79	Revealing Grain Boundaries and Defect Formation in Nanocrystal Superlattices by Nanodiffraction. Small, 2019, 15, e1904954.	10.0	26
80	Revealing Structure and Crystallographic Orientation of Soft Epitaxial Assembly of Nanocrystals by Grazing Incidence X-ray Scattering. Journal of Physical Chemistry Letters, 2019, 10, 6324-6330.	4.6	8
81	Energy-level alignment at strongly coupled organicâ€“metal interfaces. Journal of Physics Condensed Matter, 2019, 31, 194002.	1.8	12
82	Phase-Separation Kinetics in Proteinâ€“Salt Mixtures with Compositionally Tuned Interactions. Journal of Physical Chemistry B, 2019, 123, 1913-1919.	2.6	12
83	Ultrahydrophobic 3D/2D fluoroarene bilayer-based water-resistant perovskite solar cells with efficiencies exceeding 22%. Science Advances, 2019, 5, eaaw2543.	10.3	524
84	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. Nature Communications, 2019, 10, 2466.	12.8	101
85	Dynamics of proteins in solution. Quarterly Reviews of Biophysics, 2019, 52, .	5.7	78
86	Protein Short-Time Diffusion in a Naturally Crowded Environment. Journal of Physical Chemistry Letters, 2019, 10, 1709-1715.	4.6	30
87	In situ formation of electronically coupled superlattices of Cu_{1.1}S nanodiscs at the liquid/air interface. Chemical Communications, 2019, 55, 4805-4808.	4.1	3
88	Dye-Sensitized Ternary Copper Chalcogenide Nanocrystals: Optoelectronic Properties, Air Stability, and Photosensitivity. Chemistry of Materials, 2019, 31, 2443-2449.	6.7	12
89	Neutron spectroscopy on protein solutions employing backscattering with an increased energy range. Physica B: Condensed Matter, 2019, 562, 31-35.	2.7	1
90	Template-Free Orientation Selection of Rod-Like Molecular Semiconductors in Polycrystalline Films. Journal of Physical Chemistry Letters, 2019, 10, 1031-1036.	4.6	15

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91	Angular X-ray Cross-Correlation Analysis (AXCCA): Basic Concepts and Recent Applications to Soft Matter and Nanomaterials. Materials, 2019, 12, 3464.	2.9	20
92	Understanding the Formation of Conductive Mesocrystalline Superlattices with Cubic PbS Nanocrystals at the Liquid/Air Interface. Journal of Physical Chemistry C, 2019, 123, 1519-1526.	3.1	14
93	Fast fitting of reflectivity data of growing thin films using neural networks. Journal of Applied Crystallography, 2019, 52, 1342-1347.	4.5	29
94	Shaping and polarizing fluorescence emission of a polycrystalline organic semiconductor film by plasmonic nanogratings. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E9.	2.1	3
95	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. Nature Communications, 2018, 9, 954.	12.8	76
96	Temperature Dependent Epitaxial Growth of C₆₀ Overlayers on Single Crystal Pentacene. Advanced Materials Interfaces, 2018, 5, 1800084.	3.7	15
97	Bilayer Formation vs Molecular Exchange in Organic Heterostructures: Strong Impact of Subtle Changes in Molecular Structure. Journal of Physical Chemistry C, 2018, 122, 9480-9490.	3.1	27
98	Monitoring Self-Assembly and Ligand Exchange of PbS Nanocrystal Superlattices at the Liquid/Air Interface in Real Time. Journal of Physical Chemistry Letters, 2018, 9, 739-744.	4.6	33
99	Interrupted Growth to Manipulate Phase Separation in DIP:C60 Organic Semiconductor Blends. Journal of Physical Chemistry C, 2018, 122, 1839-1845.	3.1	6
100	Real-Time Structural and Optical Study of Growth and Packing Behavior of Perylene Diimide Derivative Thin Films: Influence of Side-Chain Modification. Journal of Physical Chemistry C, 2018, 122, 8589-8601.	3.1	19
101	Tunable Charge Transport in Hybrid Superlattices of Indium Tin Oxide Nanocrystals and Metal Phthalocyaninesâ€"Toward Sensing Applications. Advanced Materials Interfaces, 2018, 5, 1701623.	3.7	11
102	Tuning phase transitions of aqueous protein solutions by multivalent cations. Physical Chemistry Chemical Physics, 2018, 20, 27214-27225.	2.8	36
103	Reentrant Phase Behavior in Protein Solutions Induced by Multivalent Salts: Strong Effect of Anions Cl^{â€"} Versus NO₃^{â€"}. Journal of Physical Chemistry B, 2018, 122, 11978-11985.	2.6	33
104	Kinetics of Ion-Exchange Reactions in Hybrid Organicâ€"Inorganic Perovskite Thin Films Studied by In Situ Real-Time X-ray Scattering. Journal of Physical Chemistry Letters, 2018, 9, 6750-6754.	4.6	28
105	Thin Films of Organic Molecules. , 2018, , 551-570.		2
106	Electronically Coupled, Two-Dimensional Assembly of Cu_{1.1}S Nanodiscs for Selective Vapor Sensing Applications. Journal of Physical Chemistry C, 2018, 122, 23720-23727.	3.1	7
107	Molecular structure of the substrate-induced thin-film phase of tetracene. Journal of Chemical Physics, 2018, 149, 144701.	3.0	23
108	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. ACS Applied Nano Materials, 2018, 1, 2819-2826.	5.0	21

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109	Electron-Conducting PbS Nanocrystal Superlattices with Long-Range Order Enabled by Terthiophene Molecular Linkers. ACS Applied Materials & Interfaces, 2018, 10, 24708-24714.	8.0	12
110	Thin-Film Texture and Optical Properties of Donor/Acceptor Complexes. Diindenoperylene/F6TCNNQ vs Alpha-Sexithiophene/F6TCNNQ. Journal of Physical Chemistry C, 2018, 122, 18705-18714.	3.1	17
111	Nanosecond Tracer Diffusion as a Probe of the Solution Structure and Molecular Mobility of Protein Assemblies: The Case of Ovalbumin. Journal of Physical Chemistry B, 2018, 122, 8343-8350.	2.6	16
112	Two time scales for self and collective diffusion near the critical point in a simple patchy model for proteins with floating bonds. Soft Matter, 2018, 14, 8006-8016.	2.7	7
113	Resolving intramolecular-distortion changes induced by the partial fluorination of pentacene adsorbed on Cu(111). Physical Review Materials, 2018, 2, .	2.4	10
114	Structure, transport and photoconductance of PbS quantum dot monolayers functionalized with a copper phthalocyanine derivative. Chemical Communications, 2017, 53, 1700-1703.	4.1	33
115	Limits of size scalability of diffusion and growth: Atoms versus molecules versus colloids. Physical Review E, 2017, 95, 020801.	2.1	15
116	Homoepitaxy of Crystalline Rubrene Thin Films. Nano Letters, 2017, 17, 3040-3046.	9.1	27
117	Surface Functionalization with Copper Tetraaminophthalocyanine Enables Efficient Charge Transport in Indium Tin Oxide Nanocrystal Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 14197-14206.	8.0	14
118	Function Follows Form: Correlation between the Growth and Local Emission of Perovskite Structures and the Performance of Solar Cells. Advanced Functional Materials, 2017, 27, 1701433.	14.9	26
119	Quantifying Angular Correlations between the Atomic Lattice and the Superlattice of Nanocrystals Assembled with Directional Linking. Nano Letters, 2017, 17, 3511-3517.	9.1	47
120	Effect of Phosphorylation on a Human-like Osteopontin Peptide. Biophysical Journal, 2017, 112, 1586-1596.	0.5	25
121	Effective Interactions and Colloidal Stability of Bovine Î³-Globulin in Solution. Journal of Physical Chemistry B, 2017, 121, 5759-5769.	2.6	26
122	Timeâ€resolved photoluminescence spectroscopy of charge transfer states in blends of pentacene and perfluoropentacene. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700064.	2.4	10
123	Crowding-Controlled Cluster Size in Concentrated Aqueous Protein Solutions: Structure, Self- and Collective Diffusion. Journal of Physical Chemistry Letters, 2017, 8, 2590-2596.	4.6	39
124	Delayed phase separation in growth of organic semiconductor blends with limited intermixing. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600428.	2.4	2
125	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. Journal of the American Chemical Society, 2017, 139, 8474-8486.	13.7	40
126	Monolayers of hard rods on planar substrates. II. Growth. Journal of Chemical Physics, 2017, 146, 084903.	3.0	16

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127	Structural, optical, and electronic characterization of perfluorinated sexithiophene films and mixed films with sexithiophene. Journal of Materials Research, 2017, 32, 1908-1920.	2.6	10
128	Strong Isotope Effects on Effective Interactions and Phase Behavior in Protein Solutions in the Presence of Multivalent Ions. Journal of Physical Chemistry B, 2017, 121, 1731-1739.	2.6	38
129	Charge Separation at Nanostructured Molecular Donorâ€“Acceptor Interfaces. Advances in Polymer Science, 2017, , 77-108.	0.8	2
130	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. Journal of Physical Chemistry C, 2017, 121, 24657-24668.	3.1	39
131	Perovskite solar cells with CuSCN hole extraction layers yield stabilized efficiencies greater than 20%. Science, 2017, 358, 768-771.	12.6	1,285
132	Molecular doping in organic semiconductors: fully solution-processed, vacuum-free doping with metalâ€“organic complexes in an orthogonal solvent. Journal of Materials Chemistry C, 2017, 5, 12023-12030.	5.5	46
133	Influence of C60 co-deposition on the growth kinetics of diindenoperyleneâ€“From rapid roughening to layer-by-layer growth in blended organic films. Journal of Chemical Physics, 2017, 146, 052807.	3.0	6
134	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. Journal of Physical Chemistry C, 2017, 121, 21011-21017.	3.1	11
135	Ultrafast Excited State Dynamics in Diindenoperylene Films. Journal of Physical Chemistry C, 2017, 121, 17900-17906.	3.1	7
136	Multivalent-Ion-Activated Protein Adsorption Reflecting Bulk Reentrant Behavior. Physical Review Letters, 2017, 119, 228001.	7.8	33
137	Arrested and temporarily arrested states in a proteinâ€“polymer mixture studied by USAXS and VSANS. Soft Matter, 2017, 13, 8756-8765.	2.7	14
138	Metal-organic interface functionalization via acceptor end groups: PTCDI on coinage metals. Physical Review Materials, 2017, 1, .	2.4	18
139	Enhancing light absorption in organic semiconductor thin films by one-dimensional gold nanowire gratings. Physical Review Materials, 2017, 1, .	2.4	5
140	Nitrogen substitution impacts organic-metal interface energetics. Physical Review B, 2016, 94, .	3.2	15
141	Revealing nanoscale optical properties and morphology in perfluoropentacene films by confocal and tip-enhanced near-field optical microscopy and spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 15919-15926.	2.8	10
142	Epitaxial Growth of an Organic pâ€“n Heterojunction: C₆₀ on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	8.0	49
143	Growth and annealing kinetics of Î±-sexithiophene and fullerene C₆₀mixed films. Journal of Applied Crystallography, 2016, 49, 1266-1275.	4.5	10
144	Site-Specific Ligand Interactions Favor the Tetragonal Distortion of PbS Nanocrystal Superlattices. ACS Applied Materials & Interfaces, 2016, 8, 22526-22533.	8.0	31

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145	Cation-Induced Hydration Effects Cause Lower Critical Solution Temperature Behavior in Protein Solutions. Journal of Physical Chemistry B, 2016, 120, 7731-7736.	2.6	49
146	Kinetics of liquidâ€“liquid phase separation in protein solutions exhibiting LCST phase behavior studied by time-resolved USAXS and VSANS. Soft Matter, 2016, 12, 9334-9341.	2.7	53
147	Structural Evolution of Metastable Protein Aggregates in the Presence of Trivalent Salt Studied by (V)SANS and SAXS. Journal of Physical Chemistry B, 2016, 120, 5564-5571.	2.6	27
148	Enhanced Stability of Rubrene against Oxidation by Partial and Complete Fluorination. Journal of Physical Chemistry C, 2016, 120, 5515-5522.	3.1	24
149	Adsorption Behavior of Nonplanar Phthalocyanines: Competition of Different Adsorption Conformations. Journal of Physical Chemistry C, 2016, 120, 6869-6875.	3.1	10
150	Direct observation of conductive filament formation in Alq3 based organic resistive memories. Journal of Applied Physics, 2015, 118, .	2.5	36
151	Controlling length-scales of the phase separation to optimize organic semiconductor blends. Applied Physics Letters, 2015, 107, .	3.3	11
152	High-resolution neutron spectroscopy on protein solution samples. EPJ Web of Conferences, 2015, 83, 02005.	0.3	19
153	Identification of an organic semiconductor superlattice structure of pentacene and perfluoro-pentacene through resonant and non-resonant X-ray scattering. AIP Advances, 2015, 5, .	1.3	9
154	Thickness and Substrate Dependent Thin Film Growth of Picene and Impact on the Electronic Structure. Journal of Physical Chemistry C, 2015, 119, 29027-29037.	3.1	21
155	Structural Properties of Piceneâ€“Perfluoropentacene and Piceneâ€“Pentacene Blends: Superlattice Formation versus Limited Intermixing. Journal of Physical Chemistry C, 2015, 119, 26339-26347.	3.1	13
156	Structure and Morphology of Organic Semiconductorâ€“Nanoparticle Hybrids Prepared by Soft Deposition. Journal of Physical Chemistry C, 2015, 119, 5225-5237.	3.1	5
157	Growth of Competing Crystal Phases of Î±-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. Journal of Physical Chemistry C, 2015, 119, 819-825.	3.1	31
158	Hierarchical molecular dynamics of bovine serum albumin in concentrated aqueous solution below and above thermal denaturation. Physical Chemistry Chemical Physics, 2015, 17, 4645-4655.	2.8	48
159	Real-Time Observation of Nonclassical Protein Crystallization Kinetics. Journal of the American Chemical Society, 2015, 137, 1485-1491.	13.7	112
160	On the question of two-step nucleation in protein crystallization. Faraday Discussions, 2015, 179, 41-58.	3.2	56
161	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. Organic Electronics, 2015, 18, 17-23.	2.6	47
162	Salt-Induced Universal Slowing Down of the Short-Time Self-Diffusion of a Globular Protein in Aqueous Solution. Journal of Physical Chemistry Letters, 2015, 6, 2577-2582.	4.6	30

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163	Excited-State Dynamics of Diindenoperylene in Liquid Solution and in Solid Films. Journal of Physical Chemistry C, 2015, 119, 12856-12864.	3.1	18
164	Solvent vapor annealing on perylene-based organic solar cells. Journal of Materials Chemistry A, 2015, 3, 15700-15709.	10.3	29
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