

Frank Schreiber

List of Publications by Year in descending order

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386
papers

19,094
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15466

65
h-index

17055

122
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all docs

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docs citations

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times ranked

18199
citing authors

#	ARTICLE	IF	CITATIONS
1	Switchable $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.svg" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle^2 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -lactoglobulin (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.	5.0	5
2	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping. <i>Materials Advances</i> , 2022, 3, 1017-1034.	2.6	3
3	Role of entropy in determining the phase behavior of protein solutions induced by multivalent ions. <i>Soft Matter</i> , 2022, 18, 592-601.	1.2	3
4	Preserving the stoichiometry of triple-cation perovskites by carrier-gas-free antisolvent spraying. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19743-19749.	5.2	6
5	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals. <i>Nature Communications</i> , 2022, 13, 892.	5.8	15
6	Molecular Charge Transfer Effects on Perylene Diimide Acceptor and Dinaphthothienothiophene Donor Systems. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4188-4198.	1.5	7
7	Thickness-Dependent Energy Level Alignment at the Organic-Organic Interface Induced by Templated Gap States. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	3
8	Perovskite-organic tandem solar cells with indium oxide interconnect. <i>Nature</i> , 2022, 604, 280-286.	13.7	181
9	Kinetics and energetics of metal halide perovskite conversion reactions at the nanoscale. <i>Communications Materials</i> , 2022, 3, .	2.9	12
10	Tracking perovskite crystallization via deep learning-based feature detection on 2D X-ray scattering data. <i>Npj Computational Materials</i> , 2022, 8, .	3.5	9
11	Reverse-engineering method for XPCS studies of non-equilibrium dynamics. <i>IUCr</i> , 2022, 9, 439-448.	1.0	4
12	Optical Properties of Perovskite-Organic Multiple Quantum Wells. <i>Advanced Science</i> , 2022, 9, .	5.6	9
13	Nonequilibrium Roughness Evolution of Small Molecule Mixed Films Reflecting Equilibrium Phase Behavior. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11348-11357.	1.5	0
14	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.	0.7	1
15	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.	2.2	8
16	Bulk Phase Behavior vs Interface Adsorption: Specific Multivalent Cation and Anion Effects on BSA Interactions. <i>Langmuir</i> , 2021, 37, 139-150.	1.6	22
17	Crystallization of 2D Hybrid Organic-Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021, 31, 2009007.	7.8	14
18	Temperature and salt controlled tuning of protein clusters. <i>Soft Matter</i> , 2021, 17, 8506-8516.	1.2	7

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19	High-Resolution Nerve Ultrasound Abnormalities in POEMS Syndrome—A Comparative Study. <i>Diagnostics</i> , 2021, 11, 264.	1.3	7
20	Polymorphism and structure formation in copper phthalocyanine thin films. <i>Journal of Applied Crystallography</i> , 2021, 54, 203-210.	1.9	6
21	Lattice gas study of thin-film growth scenarios and transitions between them: Role of substrate. <i>Physical Review E</i> , 2021, 103, 023302.	0.8	13
22	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.	2.9	28
23	Detection of Cerebral Microbleeds With Venous Connection at 7-Tesla MRI. <i>Neurology</i> , 2021, 96, e2048-e2057.	1.5	19
24	Structure of Thin Films of [6] and [7]Phenacene and Impact of Potassium Deposition. <i>Advanced Optical Materials</i> , 2021, 9, 2002193.	3.6	3
25	Thin film growth of phase-separating phthalocyanine-fullerene blends: A combined experimental and computational study. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
26	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.	2.9	38
27	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure FAPbI_3 . <i>Science Advances</i> , 2021, 7, .	4.7	49
28	Quantifying Stabilized Phase Purity in Formamidinium-Based Multiple-Cation Hybrid Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 2769-2776.	3.2	13
29	Nanoimaging of Orientational Defects in Semiconducting Organic Films. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9229-9235.	1.5	8
30	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.	1.5	7
31	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. <i>Advanced Functional Materials</i> , 2021, 31, 2101163.	7.8	28
32	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. <i>Physical Review Materials</i> , 2021, 5, .	0.9	5
33	Structural and Trap-State Density Enhancement in Flash Infrared Annealed Perovskite Layers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100355.	1.9	8
34	Hippocampal vascularization patterns exert local and distant effects on brain structure but not vascular pathology in old age. <i>Brain Communications</i> , 2021, 3, fcab127.	1.5	9
35	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	5.8	72
36	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.	2.1	8

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37	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.	2.4	13
38	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.	1.4	34
39	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.	1.5	3
40	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.	5.0	3
41	Nanoscale Phase Segregation in Supramolecular π -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	6.6	55
42	Roadmap on organic-inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021, 9, .	2.2	102
43	New horizons for the synthesis of nanoparticles: Germanium nanoparticles from metastable GeBr-solutions. <i>Main Group Metal Chemistry</i> , 2021, 44, 243-249.	0.6	1
44	Molecular Flexibility of Antibodies Preserved Even in the Dense Phase after Macroscopic Phase Separation. <i>Molecular Pharmaceutics</i> , 2021, 18, 4162-4169.	2.3	10
45	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.	2.1	23
46	Protein Crystallization from a Preordered Metastable Intermediate Phase Followed by Real-Time Small-Angle Neutron Scattering. <i>Crystal Growth and Design</i> , 2021, 21, 6971-6980.	1.4	5
47	Invited Review: The spectrum of age-related small vessel diseases: potential overlap and interactions of amyloid and nonamyloid vasculopathies. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 219-239.	1.8	29
48	7T MR neurography-ultrasound fusion for peripheral nerve imaging. <i>Muscle and Nerve</i> , 2020, 61, 521-526.	1.0	6
49	MRI phenotyping of underlying cerebral small vessel disease in mixed hemorrhage patients. <i>Journal of the Neurological Sciences</i> , 2020, 419, 117173.	0.3	5
50	Impact of fluorination on interface energetics and growth of pentacene on Ag(111). <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1361-1370.	1.5	4
51	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. <i>CrystEngComm</i> , 2020, 22, 7095-7103.	1.3	2
52	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	7.8	61
53	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.	2.1	36
54	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. <i>Nature Communications</i> , 2020, 11, 6188.	5.8	32

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55	Textural markers of ultrasonographic nerve alterations in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2020, 62, 601-610.	1.0	5
56	Packing and dynamics of a protein solution approaching the jammed state. <i>Soft Matter</i> , 2020, 16, 7751-7759.	1.2	0
57	Evolution of the structure and dynamics of bovine serum albumin induced by thermal denaturation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18507-18517.	1.3	20
58	Structure-Transport Correlation Reveals Anisotropic Charge Transport in Coupled PbS Nanocrystal Superlattices. <i>Advanced Materials</i> , 2020, 32, 2002254.	11.1	19
59	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17732-17740.	5.2	14
60	Peripheral Nerve Imaging Aids in the Diagnosis of Immune-Mediated Neuropathies—A Case Series. <i>Diagnostics</i> , 2020, 10, 535.	1.3	6
61	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.	2.1	17
62	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.	3.7	3
63	Hippocampal vascularization pattern exerts local and global effects on structural and functional brain integrity. <i>Alzheimer's and Dementia</i> , 2020, 16, e039775.	0.4	0
64	Role of Morphology and Förster Resonance Energy Transfer in Ternary Blend Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 12025-12036.	2.5	17
65	Protein Crystallization in the Presence of a Metastable Liquid-Liquid Phase Separation. <i>Crystal Growth and Design</i> , 2020, 20, 7951-7962.	1.4	17
66	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI ₃ Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15688-15694.	7.2	201
67	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.	1.6	17
68	Multivalent ions and biomolecules: Attempting a comprehensive perspective. <i>ChemPhysChem</i> , 2020, 21, 1742-1767.	1.0	50
69	Energy Level Engineering in Organic Thin Films by Tailored Halogenation. <i>Advanced Functional Materials</i> , 2020, 30, 2002987.	7.8	9
70	Binding and electronic level alignment of π -conjugated systems on metals. <i>Reports on Progress in Physics</i> , 2020, 83, 066501.	8.1	32
71	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. <i>Crystal Growth and Design</i> , 2020, 20, 5269-5276.	1.4	5
72	Enhanced protein adsorption upon bulk phase separation. <i>Scientific Reports</i> , 2020, 10, 10349.	1.6	11

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73	The upper cervical spinal cord in ALS assessed by cross-sectional and longitudinal 3T MRI. <i>Scientific Reports</i> , 2020, 10, 1783.	1.6	7
74	Sonographic and 3T-MRI-based evaluation of the tongue in ALS. <i>NeuroImage: Clinical</i> , 2020, 26, 102233.	1.4	11
75	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.	4.0	8
76	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.	1.6	10
77	Reorientation of π -conjugated molecules on few-layer MoS ₂ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	1.3	11
78	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.	1.2	9
79	Peripheral nerve imaging in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2020, 131, 2315-2326.	0.7	22
80	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.	1.5	10
81	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.	1.5	6
82	X-ray standing waves reveal lack of OH termination at hydroxylated ZnO(0001) surfaces. <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
83	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.	1.1	2
84	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.	1.3	13
85	Diindenoperylene thin-film structure on MoS ₂ monolayer. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	14
86	Following Protein Dynamics in Real Time during Crystallization. <i>Crystal Growth and Design</i> , 2019, 19, 7036-7045.	1.4	8
87	Excited-State Dynamics in Perylene-Based Organic Semiconductor Thin Films: Theory Meets Experiment. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27561-27572.	1.5	18
88	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2019, 151, 164706.	1.2	22
89	Revealing Grain Boundaries and Defect Formation in Nanocrystal Superlattices by Nanodiffraction. <i>Small</i> , 2019, 15, e1904954.	5.2	26
90	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.	2.1	8

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91	Energy-level alignment at strongly coupled organicâ€metal interfaces. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 194002.	0.7	12
92	Phase-Separation Kinetics in Proteinâ€Salt Mixtures with Compositionally Tuned Interactions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1913-1919.	1.2	12
93	Ultrahydrophobic 3D/2D fluoroarene bilayer-based water-resistant perovskite solar cells with efficiencies exceeding 22%. <i>Science Advances</i> , 2019, 5, eaaw2543.	4.7	524
94	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. <i>Nature Communications</i> , 2019, 10, 2466.	5.8	101
95	Dynamics of proteins in solution. <i>Quarterly Reviews of Biophysics</i> , 2019, 52, .	2.4	78
96	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1709-1715.	2.1	30
97	<i>In situ</i> formation of electronically coupled superlattices of Cu _{1.1} S nanodiscs at the liquid/air interface. <i>Chemical Communications</i> , 2019, 55, 4805-4808.	2.2	3
98	Dye-Sensitized Ternary Copper Chalcogenide Nanocrystals: Optoelectronic Properties, Air Stability, and Photosensitivity. <i>Chemistry of Materials</i> , 2019, 31, 2443-2449.	3.2	12
99	Neutron spectroscopy on protein solutions employing backscattering with an increased energy range. <i>Physica B: Condensed Matter</i> , 2019, 562, 31-35.	1.3	1
100	Toward <i>in vivo</i> determination of peripheral nervous system immune activity in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2019, 59, 567-576.	1.0	21
101	Template-Free Orientation Selection of Rod-Like Molecular Semiconductors in Polycrystalline Films. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1031-1036.	2.1	15
102	Angular X-ray Cross-Correlation Analysis (AXCCA): Basic Concepts and Recent Applications to Soft Matter and Nanomaterials. <i>Materials</i> , 2019, 12, 3464.	1.3	20
103	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.	1.5	14
104	Fast fitting of reflectivity data of growing thin films using neural networks. <i>Journal of Applied Crystallography</i> , 2019, 52, 1342-1347.	1.9	29
105	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.	0.9	3
106	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , 2018, 9, 954.	5.8	76
107	Temperature Dependent Epitaxial Growth of C ₆₀ Overlayers on Single Crystal Pentacene. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800084.	1.9	15
108	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.	1.5	27

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109	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.	2.1	33
110	Interrupted Growth to Manipulate Phase Separation in DIP:C60 Organic Semiconductor Blends. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1839-1845.	1.5	6
111	Differential involvement of forearm muscles in ALS does not relate to sonographic structural nerve alterations. <i>Clinical Neurophysiology</i> , 2018, 129, 1438-1443.	0.7	9
112	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.	1.5	19
113	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.	1.9	11
114	Peripheral nerve atrophy together with higher cerebrospinal fluid progranulin indicate axonal damage in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2018, 57, 273-278.	1.0	17
115	Tuning phase transitions of aqueous protein solutions by multivalent cations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27214-27225.	1.3	36
116	Reentrant Phase Behavior in Protein Solutions Induced by Multivalent Salts: Strong Effect of Anions Cl^{sup} Versus $\text{NO}_3^{\text{sub}3}$ Cl^{sup} . <i>Journal of Physical Chemistry B</i> , 2018, 122, 11978-11985.	1.2	33
117	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.	2.1	28
118	Electronically Coupled, Two-Dimensional Assembly of $\text{Cu}_{1.1}\text{S}$ Nanodiscs for Selective Vapor Sensing Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23720-23727.	1.5	7
119	Molecular structure of the substrate-induced thin-film phase of tetracene. <i>Journal of Chemical Physics</i> , 2018, 149, 144701.	1.2	23
120	Significance of CSF NfL and tau in ALS. <i>Journal of Neurology</i> , 2018, 265, 2633-2645.	1.8	45
121	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.	2.4	21
122	Electron-Conducting PbS Nanocrystal Superlattices with Long-Range Order Enabled by Terthiophene Molecular Linkers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24708-24714.	4.0	12
123	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.	1.5	17
124	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.	1.2	16
125	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.	1.2	7
126	Resolving intramolecular-distortion changes induced by the partial fluorination of pentacene adsorbed on Cu(111). <i>Physical Review Materials</i> , 2018, 2, .	0.9	10

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127	Structure, transport and photoconductance of PbS quantum dot monolayers functionalized with a copper phthalocyanine derivative. <i>Chemical Communications</i> , 2017, 53, 1700-1703.	2.2	33
128	Limits of size scalability of diffusion and growth: Atoms versus molecules versus colloids. <i>Physical Review E</i> , 2017, 95, 020801.	0.8	15
129	Homoepitaxy of Crystalline Rubrene Thin Films. <i>Nano Letters</i> , 2017, 17, 3040-3046.	4.5	27
130	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.	4.0	14
131	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.	7.8	26
132	Quantifying Angular Correlations between the Atomic Lattice and the Superlattice of Nanocrystals Assembled with Directional Linking. <i>Nano Letters</i> , 2017, 17, 3511-3517.	4.5	47
133	Effect of Phosphorylation on a Human-like Osteopontin Peptide. <i>Biophysical Journal</i> , 2017, 112, 1586-1596.	0.2	25
134	Effective Interactions and Colloidal Stability of Bovine β -Globulin in Solution. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5759-5769.	1.2	26
135	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.	1.2	10
136	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.	2.1	39
137	Delayed phase separation in growth of organic semiconductor blends with limited intermixing. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600428.	1.2	2
138	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.	6.6	40
139	Vascular basement membrane alterations and β -amyloid accumulations in an animal model of cerebral small vessel disease. <i>Clinical Science</i> , 2017, 131, 1001-1013.	1.8	38
140	Monolayers of hard rods on planar substrates. II. Growth. <i>Journal of Chemical Physics</i> , 2017, 146, 084903.	1.2	16
141	Structural, optical, and electronic characterization of perfluorinated sexithiophene films and mixed films with sexithiophene. <i>Journal of Materials Research</i> , 2017, 32, 1908-1920.	1.2	10
142	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.	1.2	38
143	Alzheimer Disease Signature Neurodegeneration and <i>APOE</i> Genotype in Mild Cognitive Impairment With Suspected Non-Alzheimer Disease Pathophysiology. <i>JAMA Neurology</i> , 2017, 74, 650.	4.5	24
144	Charge Separation at Nanostructured Molecular Donor-Acceptor Interfaces. <i>Advances in Polymer Science</i> , 2017, , 77-108.	0.4	2

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145	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24657-24668.	1.5	39
146	Perovskite solar cells with CuSCN hole extraction layers yield stabilized efficiencies greater than 20%. <i>Science</i> , 2017, 358, 768-771.	6.0	1,285
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