

Frank Schreiber

List of Publications by Year in descending order

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386
papers

19,094
citations

15466

65
h-index

17055

122
g-index

390
all docs

390
docs citations

390
times ranked

18199
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and growth of self-assembling monolayers. <i>Progress in Surface Science</i> , 2000, 65, 151-257.	3.8	2,243
2	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
3	Step-by-Step Route for the Synthesis of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2007, 129, 15118-15119.	6.6	811
4	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
5	Self-assembled monolayers: from a simple model systems to biofunctionalized interfaces. <i>Journal of Physics Condensed Matter</i> , 2004, 16, R881-R900.	0.7	323
6	Organic molecular beam deposition: Growth studies beyond the first monolayer. <i>Physica Status Solidi A</i> , 2004, 201, 1037-1054.	1.7	258
7	Protein Interactions Studied by SAXS: Effect of Ionic Strength and Protein Concentration for BSA in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 251-259.	1.2	252
8	Interaction of Water with Self-Assembled Monolayers: Neutron Reflectivity Measurements of the Water Density in the Interface Region. <i>Langmuir</i> , 2003, 19, 2284-2293.	1.6	222
9	PTCDA on Au(111), Ag(111) and Cu(111): Correlation of interface charge transfer to bonding distance. <i>Organic Electronics</i> , 2008, 9, 111-118.	1.4	220
10	Protein self-diffusion in crowded solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11815-11820.	3.3	207
11	Impact of Bidirectional Charge Transfer and Molecular Distortions on the Electronic Structure of a Metal-Organic Interface. <i>Physical Review Letters</i> , 2007, 99, 256801.	2.9	206
12	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
13	Real-Time Observation of Structural and Orientational Transitions during Growth of Organic Thin Films. <i>Physical Review Letters</i> , 2006, 96, 125504.	2.9	199
14	Charged and metallic molecular monolayers through surface-induced aromatic stabilization. <i>Nature Chemistry</i> , 2013, 5, 187-194.	6.6	187
15	Reentrant Condensation of Proteins in Solution Induced by Multivalent Counterions. <i>Physical Review Letters</i> , 2008, 101, 148101.	2.9	184
16	Perovskite-organic tandem solar cells with indium oxide interconnect. <i>Nature</i> , 2022, 604, 280-286.	13.7	181
17	Rapid Roughening in Thin Film Growth of an Organic Semiconductor (Diindenoperylene). <i>Physical Review Letters</i> , 2003, 90, 016104.	2.9	180
18	High Fill Factor and Open Circuit Voltage in Organic Photovoltaic Cells with Diindenoperylene as Donor Material. <i>Advanced Functional Materials</i> , 2010, 20, 4295-4303.	7.8	175

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19	Adsorption mechanisms, structures, and growth regimes of an archetypal self-assembling system: Decanethiol on Au(111). <i>Physical Review B</i> , 1998, 57, 12476-12481.	1.1	163
20	Adsorption-Induced Intramolecular Dipole: Correlating Molecular Conformation and Interface Electronic Structure. <i>Journal of the American Chemical Society</i> , 2008, 130, 7300-7304.	6.6	152
21	On the structure and evolution of the buried S/Au interface in self-assembled monolayers: X-ray standing wave results. <i>Surface Science</i> , 1998, 412-413, 213-235.	0.8	151
22	Organic–Organic Heterostructures: Concepts and Applications. <i>ChemPhysChem</i> , 2012, 13, 628-643.	1.0	137
23	In situ studies of morphology, strain, and growth modes of a molecular organic thin film. <i>Physical Review B</i> , 1997, 56, 3046-3053.	1.1	136
24	High structural order in thin films of the organic semiconductor diindenoperylene. <i>Applied Physics Letters</i> , 2002, 81, 2276-2278.	1.5	136
25	Structure and growth of 4-methyl-4-mercaptobiphenyl monolayers on Au(111): a surface diffraction study. <i>Surface Science</i> , 2000, 458, 34-52.	0.8	133
26	Optical properties of pentacene and perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2007, 127, 194705.	1.2	131
27	Gilbert damping and g-factor in FeCo _{1-x} alloy films. <i>Solid State Communications</i> , 1995, 93, 965-968.	0.9	120
28	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , 2003, 68, .	1.1	116
29	Real-Time Observation of Nonclassical Protein Crystallization Kinetics. <i>Journal of the American Chemical Society</i> , 2015, 137, 1485-1491.	6.6	112
30	Thermally induced failure mechanisms of organic light emitting device structures probed by X-ray specular reflectivity. <i>Chemical Physics Letters</i> , 1997, 277, 521-526.	1.2	110
31	Universality of protein reentrant condensation in solution induced by multivalent metal ions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 3450-3457.	1.5	106
32	1,6-Hexanedithiol Monolayers on Au(111): A Multitechnique Structural Study. <i>Langmuir</i> , 2000, 16, 549-561.	1.6	105
33	Roadmap on organic–inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021, 9, .	2.2	102
34	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. <i>Nature Communications</i> , 2019, 10, 2466.	5.8	101
35	Substrate-dependent bonding distances of PTCDA: A comparative x-ray standing-wave study on Cu(111) and Ag(111). <i>Physical Review B</i> , 2007, 75, .	1.1	99
36	Organic molecular beam deposition: fundamentals, growth dynamics, and <i>in situ</i> studies. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 184005.	0.7	97

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37	Interplay of pH and Binding of Multivalent Metal Ions: Charge Inversion and Reentrant Condensation in Protein Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5777-5787.	1.2	97
38	Structure and growth morphology of an archetypal system for organic epitaxy: PTCDA on Ag(111). <i>Physical Review B</i> , 2002, 66, .	1.1	96
39	Adsorption-induced distortion of F16CuP on Cu(111) and Ag(111): An x-ray standing wave study. <i>Physical Review B</i> , 2005, 71, .	1.1	96
40	High-mobility copper-phthalocyanine field-effect transistors with tetratetracontane passivation layer and organic metal contacts. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	96
41	Protein-Protein Interactions in Ovalbumin Solutions Studied by Small-Angle Scattering: Effect of Ionic Strength and the Chemical Nature of Cations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3776-3783.	1.2	95
42	Ion-activated attractive patches as a mechanism for controlled protein interactions. <i>Scientific Reports</i> , 2014, 4, 7016.	1.6	94
43	Magnetic anisotropies of sputtered Fe films on MgO substrates. <i>Physical Review B</i> , 1995, 52, 13450-13458.	1.1	91
44	Exciton-phonon coupling in diindenoperylene thin films. <i>Physical Review B</i> , 2008, 78, .	1.1	91
45	Nanoscale Spectroscopic Imaging of Organic Semiconductor Films by Plasmon-Polariton Coupling. <i>Physical Review Letters</i> , 2010, 104, 056601.	2.9	87
46	Viscosity and diffusion: crowding and salt effects in protein solutions. <i>Soft Matter</i> , 2012, 8, 1404-1419.	1.2	86
47	Structure and electronic properties of CH ₃ - and CF ₃ -terminated alkanethiol monolayers on Au(): a scanning tunneling microscopy, surface X-ray and helium scattering study. <i>Surface Science</i> , 2002, 498, 89-104.	0.8	83
48	Charge-controlled metastable liquid-liquid phase separation in protein solutions as a universal pathway towards crystallization. <i>Soft Matter</i> , 2012, 8, 1313-1316.	1.2	83
49	Hydration and interactions in protein solutions containing concentrated electrolytes studied by small-angle scattering. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2483.	1.3	82
50	Photoluminescence spectroscopy of pure pentacene, perfluoropentacene, and mixed thin films. <i>Journal of Chemical Physics</i> , 2012, 136, 054701.	1.2	79
51	Molecular Reorganization in Organic Field-Effect Transistors and Its Effect on Two-Dimensional Charge Transport Pathways. <i>ACS Nano</i> , 2013, 7, 1257-1264.	7.3	79
52	Unravelling the multilayer growth of the fullerene C ₆₀ in real time. <i>Nature Communications</i> , 2014, 5, 5388.	5.8	79
53	Real-Time Changes in the Optical Spectrum of Organic Semiconducting Films and Their Thickness Regimes during Growth. <i>Physical Review Letters</i> , 2010, 104, 257401.	2.9	78
54	<i>V_{oc}</i> from a Morphology Point of View: the Influence of Molecular Orientation on the Open Circuit Voltage of Organic Planar Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26462-26470.	1.5	78

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55	Dynamics of proteins in solution. Quarterly Reviews of Biophysics, 2019, 52, .	2.4	78
56	Thermal stability and partial dewetting of crystalline organic thin films: 3,4,9,10-perylenetetracarboxylic dianhydride on Ag(111). Journal of Chemical Physics, 2003, 119, 3429-3435.	1.2	77
57	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. Nature Communications, 2018, 9, 954.	5.8	76
58	Spin-Orbit-coupling effects on g-value and damping factor of the ferromagnetic resonance in Co and Fe films. Journal of Physics Condensed Matter, 2003, 15, S451-S463.	0.7	75
59	Temperature dependence of the 2D-3D transition in the growth of PTCDA on Ag(111): A real-time X-ray and kinetic Monte Carlo study. Europhysics Letters, 2004, 65, 372-378.	0.7	75
60	Morphology and interdiffusion behavior of evaporated metal films on crystalline diindenoperylene thin films. Journal of Applied Physics, 2003, 93, 5201-5209.	1.1	74
61	Growth kinetics of decanethiol monolayers self-assembled on Au(111) by molecular beam deposition: An atomic beam diffraction study. Surface Science, 1999, 423, 208-224.	0.8	73
62	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. Nature Communications, 2021, 12, 3383.	5.8	72
63	The role of cluster formation and metastable liquid-liquid phase separation in protein crystallization. Faraday Discussions, 2012, 159, 313.	1.6	70
64	Sonography of the median nerve in CMT1A, CMT2A, CMTX, and HNPP. Muscle and Nerve, 2013, 47, 385-395.	1.0	69
65	Structure, morphology, and growth dynamics of perfluoro-pentacene thin films. Physica Status Solidi - Rapid Research Letters, 2008, 2, 120-122.	1.2	67
66	Mixed crystalline films of co-evaporated hydrogen- and fluorine-terminated phthalocyanines and their application in photovoltaic devices. Organic Electronics, 2009, 10, 1259-1267.	1.4	65
67	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). Physical Review B, 2010, 81, .	1.1	65
68	Real-time observation of oxidation and photo-oxidation of rubrene thin films by spectroscopic ellipsometry. Applied Physics Letters, 2007, 90, 131911.	1.5	64
69	Anisotropic optical properties of single crystalline PTCDA studied by spectroscopic ellipsometry. Organic Electronics, 2002, 3, 23-31.	1.4	63
70	Controlled Molecular Alignment in Phthalocyanine Thin Films on Stepped Sapphire Surfaces. Advanced Functional Materials, 2002, 12, 455-460.	7.8	62
71	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. Advanced Functional Materials, 2020, 30, 2003428.	7.8	61
72	A portable ultrahigh vacuum organic molecular beam deposition system for in situ x-ray diffraction measurements. Review of Scientific Instruments, 2001, 72, 1453.	0.6	59

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73	Novel approach to controlled protein crystallization through ligandation of yttrium cations. <i>Journal of Applied Crystallography</i> , 2011, 44, 755-762.	1.9	57
74	Comparison of Visual and Quantitative Florbetapir F 18 Positron Emission Tomography Analysis in Predicting Mild Cognitive Impairment Outcomes. <i>JAMA Neurology</i> , 2015, 72, 1183.	4.5	57
75	On the question of two-step nucleation in protein crystallization. <i>Faraday Discussions</i> , 2015, 179, 41-58.	1.6	56
76	Reentrant condensation, liquid-liquid phase separation and crystallization in protein solutions induced by multivalent metal ions. <i>Pure and Applied Chemistry</i> , 2014, 86, 191-202.	0.9	55
77	Protein cluster formation in aqueous solution in the presence of multivalent metal ions – a light scattering study. <i>Soft Matter</i> , 2014, 10, 894-902.	1.2	55
78	Peripheral nerve ultrasound in amyotrophic lateral sclerosis phenotypes. <i>Muscle and Nerve</i> , 2015, 51, 669-675.	1.0	55
79	Nanoscale Phase Segregation in Supramolecular β -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	6.6	55
80	Energy-dispersive X-ray reflectivity and GID for real-time growth studies of pentacene thin films. <i>Thin Solid Films</i> , 2007, 515, 5606-5610.	0.8	53
81	Protein Density Profile at the Interface of Water with Oligo(ethylene glycol) Self-Assembled Monolayers. <i>Langmuir</i> , 2009, 25, 4056-4064.	1.6	53
82	Charge Separation at Molecular Donor-Acceptor Interfaces: Correlation Between Morphology and Solar Cell Performance. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1707-1717.	1.9	53
83	Controlling the Texture and Crystallinity of Evaporated Lead Phthalocyanine Thin Films for Near-Infrared Sensitive Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8505-8515.	4.0	53
84	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.	1.2	53
85	Tuning the hole injection barrier height at organic/metal interfaces with (sub-) monolayers of electron acceptor molecules. <i>Applied Physics Letters</i> , 2005, 87, 101905.	1.5	52
86	Spin-wave resonance in high-conductivity films: The Fe-Co alloy system. <i>Physical Review B</i> , 1996, 54, 6473-6480.	1.1	51
87	Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Protein Resistance and Colloidal Stability. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12229-12237.	1.1	50
88	Structure and morphology of coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2011, 134, 104702.	1.2	50
89	Effective interactions in protein-salt solutions approaching liquid-liquid phase separation. <i>Journal of Molecular Liquids</i> , 2014, 200, 20-27.	2.3	50
90	Multivalent ions and biomolecules: Attempting a comprehensive perspective. <i>ChemPhysChem</i> , 2020, 21, 1742-1767.	1.0	50

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91	Exploring the bonding of large hydrocarbons on noble metals: Diindoperylene on Cu(111), Ag(111), and Au(111). <i>Physical Review B</i> , 2013, 87, .	1.1	49
92	Epitaxial Growth of an Organic p-n Heterojunction: C ₆₀ on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13499-13505.	4.0	49
93	Cation-Induced Hydration Effects Cause Lower Critical Solution Temperature Behavior in Protein Solutions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7731-7736.	1.2	49
94	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure \pm -FAPbI ₃ . <i>Science Advances</i> , 2021, 7, .	4.7	49
95	Site-Specific Geometric and Electronic Relaxations at Organic-Metal Interfaces. <i>Physical Review Letters</i> , 2010, 105, 046103.	2.9	48
96	Orientational Ordering of Nonplanar Phthalocyanines on Cu(111): Strength and Orientation of the Electric Dipole Moment. <i>Physical Review Letters</i> , 2011, 106, 156102.	2.9	48
97	Parallel Fabrication of Plasmonic Nanocone Sensing Arrays. <i>Small</i> , 2013, 9, 3987-3992.	5.2	48
98	Hierarchical molecular dynamics of bovine serum albumin in concentrated aqueous solution below and above thermal denaturation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4645-4655.	1.3	48
99	Hydration of Oligo(ethylene glycol) Self-Assembled Monolayers Studied Using Polarization Modulation Infrared Spectroscopy. <i>Langmuir</i> , 2007, 23, 970-974.	1.6	47
100	Molecular semiconductor blends: Microstructure, charge carrier transport, and application in photovoltaic cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2683-2694.	0.8	47
101	Diffusion and Dynamics of β -Globulin in Crowded Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7203-7209.	1.2	47
102	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. <i>Organic Electronics</i> , 2015, 18, 17-23.	1.4	47
103	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
104	Reorientational transition of the magnetic anisotropy in Co/Cr(001) superlattices. <i>Physical Review B</i> , 1996, 53, 3256-3262.	1.1	46
105	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.	2.7	46
106	Anomalous roughness evolution of rubrene thin films observed in real time during growth. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1834.	1.3	45
107	Coupled organic-inorganic nanostructures (COIN). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 97-111.	1.3	45
108	Significance of CSF NfL and tau in ALS. <i>Journal of Neurology</i> , 2018, 265, 2633-2645.	1.8	45

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109	Geometric and Electronic Structure of Templated C60on Diindenoperylene Thin Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1053-1058.	1.5	44
110	Real-time X-ray diffraction measurements of structural dynamics and polymorphism in diindenoperylene growth. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 233-239.	1.1	42
111	Real-time studies of thin film growth: Measurement and analysis of X-ray growth oscillations beyond the anti-Bragg point. <i>European Physical Journal: Special Topics</i> , 2009, 167, 11-18.	1.2	42
112	Optical evidence for intermolecular coupling in mixed films of pentacene and perfluoropentacene. <i>Physical Review B</i> , 2011, 83, .	1.1	42
113	Characterisation of morphology of self-assembled PEG monolayers: a comparison of mixed and pure coatings optimised for biosensor applications. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1783-1791.	1.9	41
114	Optical spectra obtained from amorphous films of rubrene: Evidence for predominance of twisted isomer. <i>Journal of Chemical Physics</i> , 2009, 130, 214507.	1.2	40
115	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
116	Strongly Enhanced Thermal Stability of Crystalline Organic Thin Films Induced by Aluminum Oxide Capping Layers. <i>Advanced Materials</i> , 2004, 16, 1750-1753.	11.1	39
117	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
118	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24657-24668.	1.5	39
119	Nucleation and Growth of Perfluoropentacene on Self-Assembled Monolayers: Significant Changes in Island Density and Shape with Surface Termination. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20120-20129.	1.5	38
120	Vascular basement membrane alterations and β 2-amyloid accumulations in an animal model of cerebral small vessel disease. <i>Clinical Science</i> , 2017, 131, 1001-1013.	1.8	38
121	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
122	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
123	Strong optical anisotropies of F16CuPc thin films studied by spectroscopic ellipsometry. <i>Journal of Chemical Physics</i> , 2003, 119, 6335-6340.	1.2	37
124	Protein diffusion in crowded electrolyte solutions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 68-75.	1.1	37
125	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	36
126	Tuning phase transitions of aqueous protein solutions by multivalent cations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27214-27225.	1.3	36

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127	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
128	Evidence for Kinetically Limited Thickness Dependent Phase Separation in Organic Thin Film Blends. <i>Physical Review Letters</i> , 2013, 110, 185506.	2.9	35
129	Competing Salt Effects on Phase Behavior of Protein Solutions: Tailoring of Protein Interaction by the Binding of Multivalent Ions and Charge Screening. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11365-11374.	1.2	35
130	Crystal Grain Orientation in Organic Homo- and Heteroepitaxy of Pentacene and Perfluoropentacene Studied with X-ray Spectromicroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13061-13067.	1.5	34
131	Self-Metalation of 2 <i>H</i> -Tetraphenylporphyrin on Cu(111) Studied with XSW: Influence of the Central Metal Atom on the Adsorption Distance. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13659-13666.	1.5	34
132	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
133	Non-dipolar contributions in XPS detection of X-ray standing waves. <i>Surface Science</i> , 2001, 486, L519-L523.	0.8	33
134	On the coexistence of different polymorphs in organic epitaxy: $\hat{1}\pm$ and $\hat{1}^2$ phase of PTCDA on Ag(1 1 1). <i>Applied Surface Science</i> , 2001, 175-176, 332-336.	3.1	33
135	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
136	Multivalent-Ion-Activated Protein Adsorption Reflecting Bulk Reentrant Behavior. <i>Physical Review Letters</i> , 2017, 119, 228001.	2.9	33
137	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
138	Reentrant Phase Behavior in Protein Solutions Induced by Multivalent Salts: Strong Effect of Anions $\text{Cl}^{\sup>\text{â€€}}\text{/sup>}$ Versus $\text{NO}_3^{\sup>\text{â€€}}\text{/sup>}$. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11978-11985.	1.2	33
139	Organic semiconducting thin film growth on an organic substrate: 3,4,9,10-perylenetetracarboxylic dianhydride on a monolayer of decanethiol self-assembled on Au(111). <i>Physical Review B</i> , 2000, 61, 7678-7685.	1.1	32
140	Dynamics of highly concentrated protein solutions around the denaturing transition. <i>Soft Matter</i> , 2012, 8, 1628-1633.	1.2	32
141	Toward Conductive Mesocrystalline Assemblies: PbS Nanocrystals Cross-Linked with Tetrathiafulvalene Dicarboxylate. <i>Chemistry of Materials</i> , 2015, 27, 8105-8115.	3.2	32
142	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. <i>Nature Communications</i> , 2020, 11, 6188.	5.8	32
143	Binding and electronic level alignment of $\text{b}^{\sup>\text{â€€}}\text{/sup>}$ -conjugated systems on metals. <i>Reports on Progress in Physics</i> , 2020, 83, 066501.	8.1	32
144	Strong anisotropies in MBE-grown Co/Cr(001): Ferromagnetic-resonance and magneto-optical Kerr-effect studies. <i>Physical Review B</i> , 1995, 51, 2920-2929.	1.1	31

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145	Simultaneous in situ measurements of x-ray reflectivity and optical spectroscopy during organic semiconductor thin film growth. <i>Applied Physics Letters</i> , 2010, 97, 063301.	1.5	31
146	Smoothing and coherent structure formation in organic-organic heterostructure growth. <i>Europhysics Letters</i> , 2010, 91, 56002.	0.7	31
147	Impact of structural imperfections on the energy-level alignment in organic films. <i>Physical Review B</i> , 2011, 83, .	1.1	31
148	Correlating Structure and Morphology to Device Performance of Molecular Organic Donor-acceptor Photovoltaic Cells Based on Diindenoperylene (DIP) and C ₆₀ . <i>Advanced Energy Materials</i> , 2013, 3, 1075-1083.	10.2	31
149	Growth of Competing Crystal Phases of \pm -Sexithiophene Studied by Real-Time <i>in Situ</i> X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2015, 119, 819-825.	1.5	31
150	Site-Specific Ligand Interactions Favor the Tetragonal Distortion of PbS Nanocrystal Superlattices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22526-22533.	4.0	31
151	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, 2577-2582.	2.1	30
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