

Frank Schreiber

List of Publications by Year in descending order

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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	Structure and growth of self-assembling monolayers. <i>Progress in Surface Science</i> , 2000, 65, 151-257.	8.3	2,243
2	Perovskite solar cells with CuSCN hole extraction layers yield stabilized efficiencies greater than 20%. <i>Science</i> , 2017, 358, 768-771.	12.6	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.	13.7	811
4	Ultrahydrophobic 3D/2D fluoroarene bilayer-based water-resistant perovskite solar cells with efficiencies exceeding 22%. <i>Science Advances</i> , 2019, 5, eaaw2543.	10.3	524
5	Self-assembled monolayers: from a simple model systems to biofunctionalized interfaces. <i>Journal of Physics Condensed Matter</i> , 2004, 16, R881-R900.	1.8	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.	2.6	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.	3.5	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.	2.6	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.	7.1	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.	7.8	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.	13.8	201
13	Real-Time Observation of Structural and Orientational Transitions during Growth of Organic Thin Films. <i>Physical Review Letters</i> , 2006, 96, 125504.	7.8	199
14	Charged and metallic molecular monolayers through surface-induced aromatic stabilization. <i>Nature Chemistry</i> , 2013, 5, 187-194.	13.6	187
15	Reentrant Condensation of Proteins in Solution Induced by Multivalent Counterions. <i>Physical Review Letters</i> , 2008, 101, 148101.	7.8	184
16	Perovskite-organic tandem solar cells with indium oxide interconnect. <i>Nature</i> , 2022, 604, 280-286.	27.8	181
17	Rapid Roughening in Thin Film Growth of an Organic Semiconductor (Diindenoperylene). <i>Physical Review Letters</i> , 2003, 90, 016104.	7.8	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.	14.9	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.	3.2	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.	13.7	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.	1.9	151
22	Organic—Organic Heterostructures: Concepts and Applications. <i>ChemPhysChem</i> , 2012, 13, 628-643.	2.1	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.	3.2	136
24	High structural order in thin films of the organic semiconductor diindenoperylene. <i>Applied Physics Letters</i> , 2002, 81, 2276-2278.	3.3	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.	1.9	133
26	Optical properties of pentacene and perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2007, 127, 194705.	3.0	131
27	Morphology and Thermal Stability of Metal Contacts on Crystalline Organic Thin Films. <i>Advanced Materials</i> , 2002, 14, 961-963.	21.0	123
28	Gilbert damping and g-factor in FeCo alloy films. <i>Solid State Communications</i> , 1995, 93, 965-968.	1.9	120
29	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , 2003, 68, .	3.2	116
30	Real-Time Observation of Nonclassical Protein Crystallization Kinetics. <i>Journal of the American Chemical Society</i> , 2015, 137, 1485-1491.	13.7	112
31	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.	2.6	110
32	Universality of protein reentrant condensation in solution induced by multivalent metal ions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 3450-3457.	2.6	106
33	1,6-Hexanedithiol Monolayers on Au(111): A Multitechnique Structural Study. <i>Langmuir</i> , 2000, 16, 549-561.	3.5	105
34	Roadmap on organic—inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021, 9, .	5.1	102
35	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. <i>Nature Communications</i> , 2019, 10, 2466.	12.8	101
36	Substrate-dependent bonding distances of PTCDAs: A comparative x-ray standing-wave study on Cu(111) and Ag(111). <i>Physical Review B</i> , 2007, 75, .	3.2	99

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37	Organic molecular beam deposition: fundamentals, growth dynamics, and <i>in situ</i> studies. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 184005.	1.8	97
38	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.	2.6	97
39	Structure and growth morphology of an archetypal system for organic epitaxy: PTCDA on Ag(111). <i>Physical Review B</i> , 2002, 66, .	3.2	96
40	Adsorption-induced distortion of F16CuP on Cu(111) and Ag(111): An x-ray standing wave study. <i>Physical Review B</i> , 2005, 71, .	3.2	96
41	High-mobility copper-phthalocyanine field-effect transistors with tetratetracontane passivation layer and organic metal contacts. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	96
42	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.	2.6	95
43	Ion-activated attractive patches as a mechanism for controlled protein interactions. <i>Scientific Reports</i> , 2014, 4, 7016.	3.3	94
44	Magnetic anisotropies of sputtered Fe films on MgO substrates. <i>Physical Review B</i> , 1995, 52, 13450-13458.	3.2	91
45	Exciton-phonon coupling in diindenoperylene thin films. <i>Physical Review B</i> , 2008, 78, .	3.2	91
46	Nanoscale Spectroscopic Imaging of Organic Semiconductor Films by Plasmon-Polariton Coupling. <i>Physical Review Letters</i> , 2010, 104, 056601.	7.8	87
47	Viscosity and diffusion: crowding and salt effects in protein solutions. <i>Soft Matter</i> , 2012, 8, 1404-1419.	2.7	86
48	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.	1.9	83
49	Charge-controlled metastable liquid-liquid phase separation in protein solutions as a universal pathway towards crystallization. <i>Soft Matter</i> , 2012, 8, 1313-1316.	2.7	83
50	Hydration and interactions in protein solutions containing concentrated electrolytes studied by small-angle scattering. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2483.	2.8	82
51	Photoluminescence spectroscopy of pure pentacene, perfluoropentacene, and mixed thin films. <i>Journal of Chemical Physics</i> , 2012, 136, 054701.	3.0	79
52	Molecular Reorganization in Organic Field-Effect Transistors and Its Effect on Two-Dimensional Charge Transport Pathways. <i>ACS Nano</i> , 2013, 7, 1257-1264.	14.6	79
53	Unravelling the multilayer growth of the fullerene C ₆₀ in real time. <i>Nature Communications</i> , 2014, 5, 5388.	12.8	79
54	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.	7.8	78

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55	<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.	3.1	78
56	Dynamics of proteins in solution. <i>Quarterly Reviews of Biophysics</i> , 2019, 52, .	5.7	78
57	Thermal stability and partial dewetting of crystalline organic thin films: 3,4,9,10-perylenetetracarboxylic dianhydride on Ag(111). <i>Journal of Chemical Physics</i> , 2003, 119, 3429-3435.	3.0	77
58	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , 2018, 9, 954.	12.8	76
59	Spin-orbit-coupling effects on g-value and damping factor of the ferromagnetic resonance in Co and Fe films. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S451-S463.	1.8	75
60	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. <i>Europhysics Letters</i> , 2004, 65, 372-378.	2.0	75
61	Morphology and interdiffusion behavior of evaporated metal films on crystalline diindenoperylene thin films. <i>Journal of Applied Physics</i> , 2003, 93, 5201-5209.	2.5	74
62	Growth kinetics of decanethiol monolayers self-assembled on Au(111) by molecular beam deposition: An atomic beam diffraction study. <i>Surface Science</i> , 1999, 423, 208-224.	1.9	73
63	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	12.8	72
64	The role of cluster formation and metastable liquid-liquid phase separation in protein crystallization. <i>Faraday Discussions</i> , 2012, 159, 313.	3.2	70
65	Structure, morphology, and growth dynamics of perfluoro-pentacene thin films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 120-122.	2.4	67
66	Mixed crystalline films of co-evaporated hydrogen- and fluorine-terminated phthalocyanines and their application in photovoltaic devices. <i>Organic Electronics</i> , 2009, 10, 1259-1267.	2.6	65
67	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). <i>Physical Review B</i> , 2010, 81, .	3.2	65
68	Real-time observation of oxidation and photo-oxidation of rubrene thin films by spectroscopic ellipsometry. <i>Applied Physics Letters</i> , 2007, 90, 131911.	3.3	64
69	Anisotropic optical properties of single crystalline PTCDA studied by spectroscopic ellipsometry. <i>Organic Electronics</i> , 2002, 3, 23-31.	2.6	63
70	Controlled Molecular Alignment in Phthalocyanine Thin Films on Stepped Sapphire Surfaces. <i>Advanced Functional Materials</i> , 2002, 12, 455-460.	14.9	62
71	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	14.9	61
72	A portable ultrahigh vacuum organic molecular beam deposition system for in situ x-ray diffraction measurements. <i>Review of Scientific Instruments</i> , 2001, 72, 1453.	1.3	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.	4.5	57
74	On the question of two-step nucleation in protein crystallization. <i>Faraday Discussions</i> , 2015, 179, 41-58.	3.2	56
75	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.	1.9	55
76	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.	2.7	55
77	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.	13.7	55
78	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.	1.8	53
79	Protein Density Profile at the Interface of Water with Oligo(ethylene glycol) Self-Assembled Monolayers. <i>Langmuir</i> , 2009, 25, 4056-4064.	3.5	53
80	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.	2.9	53
81	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.	8.0	53
82	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.	2.7	53
83	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.	3.3	52
84	Spin-wave resonance in high-conductivity films: The Fe-Co alloy system. <i>Physical Review B</i> , 1996, 54, 6473-6480.	3.2	51
85	Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Protein Resistance and Colloidal Stability. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12229-12237.	2.5	50
86	Structure and morphology of coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2011, 134, 104702.	3.0	50
87	Effective interactions in protein-salt solutions approaching liquid-liquid phase separation. <i>Journal of Molecular Liquids</i> , 2014, 200, 20-27.	4.9	50
88	Multivalent ions and biomolecules: Attempting a comprehensive perspective. <i>ChemPhysChem</i> , 2020, 21, 1742-1767.	2.1	50
89	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, .	3.2	49
90	Epitaxial Growth of an Organic π -n Heterojunction: C ₆₀ on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13499-13505.	8.0	49

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91	Cation-Induced Hydration Effects Cause Lower Critical Solution Temperature Behavior in Protein Solutions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7731-7736.	2.6	49
92	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure β -FAPBI. <i>Science Advances</i> , 2021, 7, .	10.3	49
93	Site-Specific Geometric and Electronic Relaxations at Organic-Metal Interfaces. <i>Physical Review Letters</i> , 2010, 105, 046103.	7.8	48
94	Orientational Ordering of Nonplanar Phthalocyanines on Cu(111): Strength and Orientation of the Electric Dipole Moment. <i>Physical Review Letters</i> , 2011, 106, 156102.	7.8	48
95	Parallel Fabrication of Plasmonic Nanocone Sensing Arrays. <i>Small</i> , 2013, 9, 3987-3992.	10.0	48
96	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.	2.8	48
97	Hydration of Oligo(ethylene glycol) Self-Assembled Monolayers Studied Using Polarization Modulation Infrared Spectroscopy. <i>Langmuir</i> , 2007, 23, 970-974.	3.5	47
98	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.	1.8	47
99	Diffusion and Dynamics of β -Globulin in Crowded Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7203-7209.	2.6	47
100	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. <i>Organic Electronics</i> , 2015, 18, 17-23.	2.6	47
101	Quantifying Angular Correlations between the Atomic Lattice and the Superlattice of Nanocrystals Assembled with Directional Linking. <i>Nano Letters</i> , 2017, 17, 3511-3517.	9.1	47
102	Reorientational transition of the magnetic anisotropy in Co/Cr(001) superlattices. <i>Physical Review B</i> , 1996, 53, 3256-3262.	3.2	46
103	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.	5.5	46
104	Anomalous roughness evolution of rubrene thin films observed in real time during growth. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1834.	2.8	45
105	Coupled organic-inorganic nanostructures (COIN). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 97-111.	2.8	45
106	Geometric and Electronic Structure of Templated C60 on Diindenoperylene Thin Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1053-1058.	3.1	44
107	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.	2.3	42
108	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.	2.6	42

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109	Optical evidence for intermolecular coupling in mixed films of pentacene and perfluoropentacene. <i>Physical Review B</i> , 2011, 83, .	3.2	42
110	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.	3.7	41
111	Optical spectra obtained from amorphous films of rubrene: Evidence for predominance of twisted isomer. <i>Journal of Chemical Physics</i> , 2009, 130, 214507.	3.0	40
112	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.	13.7	40
113	Strongly Enhanced Thermal Stability of Crystalline Organic Thin Films Induced by Aluminum Oxide Capping Layers. <i>Advanced Materials</i> , 2004, 16, 1750-1753.	21.0	39
114	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.	4.6	39
115	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24657-24668.	3.1	39
116	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.	3.1	38
117	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.	2.6	38
118	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.	7.8	38
119	Strong optical anisotropies of F16CuPc thin films studied by spectroscopic ellipsometry. <i>Journal of Chemical Physics</i> , 2003, 119, 6335-6340.	3.0	37
120	Protein diffusion in crowded electrolyte solutions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 68-75.	2.3	37
121	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	36
122	Tuning phase transitions of aqueous protein solutions by multivalent cations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27214-27225.	2.8	36
123	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.	4.6	36
124	Evidence for Kinetically Limited Thickness Dependent Phase Separation in Organic Thin Film Blends. <i>Physical Review Letters</i> , 2013, 110, 185506.	7.8	35
125	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.	2.6	35
126	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.	3.1	34

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127	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.	3.1	34
128	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.	3.0	34
129	Non-dipolar contributions in XPS detection of X-ray standing waves. <i>Surface Science</i> , 2001, 486, L519-L523.	1.9	33
130	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.	6.1	33
131	Structure, transport and photoconductance of PbS quantum dot monolayers functionalized with a copper phthalocyanine derivative. <i>Chemical Communications</i> , 2017, 53, 1700-1703.	4.1	33
132	Multivalent-Ion-Activated Protein Adsorption Reflecting Bulk Reentrant Behavior. <i>Physical Review Letters</i> , 2017, 119, 228001.	7.8	33
133	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.	4.6	33
134	Reentrant Phase Behavior in Protein Solutions Induced by Multivalent Salts: Strong Effect of Anions Cl^{\sup} Versus NO_3^{\sup} . <i>Journal of Physical Chemistry B</i> , 2018, 122, 11978-11985.	2.6	33
135	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.	3.2	32
136	Dynamics of highly concentrated protein solutions around the denaturing transition. <i>Soft Matter</i> , 2012, 8, 1628-1633.	2.7	32
137	Toward Conductive Mesocrystalline Assemblies: PbS Nanocrystals Cross-Linked with Tetrathiafulvalene Dicarboxylate. <i>Chemistry of Materials</i> , 2015, 27, 8105-8115.	6.7	32
138	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. <i>Nature Communications</i> , 2020, 11, 6188.	12.8	32
139	Binding and electronic level alignment of π -conjugated systems on metals. <i>Reports on Progress in Physics</i> , 2020, 83, 066501.	20.1	32
140	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.	3.2	31
141	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.	3.3	31
142	Smoothing and coherent structure formation in organic-organic heterostructure growth. <i>Europhysics Letters</i> , 2010, 91, 56002.	2.0	31
143	Impact of structural imperfections on the energy-level alignment in organic films. <i>Physical Review B</i> , 2011, 83, .	3.2	31
144	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.	19.5	31

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145	Growth of Competing Crystal Phases of β -Sexithiophene Studied by Real-Time <i>in Situ</i> X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2015, 119, 819-825.	3.1	31
146	Site-Specific Ligand Interactions Favor the Tetragonal Distortion of PbS Nanocrystal Superlattices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22526-22533.	8.0	31
147	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.	4.6	30
148	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1709-1715.	4.6	30
149	Optically induced electron transfer from conjugated organic molecules to charged metal clusters. <i>Thin Solid Films</i> , 2003, 441, 145-149.	1.8	29
150	Late growth stages and post-growth diffusion in organic epitaxy: PTCDA on Ag(111). <i>Surface Science</i> , 2004, 572, 385-395.	1.9	29
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