

Frank Schreiber

List of Publications by Year in descending order

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363
papers

18,648
citations

15466

65
h-index

17055

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.	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	Morphology and Thermal Stability of Metal Contacts on Crystalline Organic Thin Films. <i>Advanced Materials</i> , 2002, 14, 961-963.	11.1	123
28	Gilbert damping and g-factor in FeCo alloy films. <i>Solid State Communications</i> , 1995, 93, 965-968.	0.9	120
29	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , 2003, 68, .	1.1	116
30	Real-Time Observation of Nonclassical Protein Crystallization Kinetics. <i>Journal of the American Chemical Society</i> , 2015, 137, 1485-1491.	6.6	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.	1.2	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.	1.5	106
33	1,6-Hexanedithiol Monolayers on Au(111): A Multitechnique Structural Study. <i>Langmuir</i> , 2000, 16, 549-561.	1.6	105
34	Roadmap on organic—inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021, 9, .	2.2	102
35	Impact of molecular quadrupole moments on the energy levels at organic heterojunctions. <i>Nature Communications</i> , 2019, 10, 2466.	5.8	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, .	1.1	99

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37	Organic molecular beam deposition: fundamentals, growth dynamics, and <i>in situ</i> studies. Journal of Physics Condensed Matter, 2008, 20, 184005.	0.7	97
38	Interplay of pH and Binding of Multivalent Metal Ions: Charge Inversion and Reentrant Condensation in Protein Solutions. Journal of Physical Chemistry B, 2013, 117, 5777-5787.	1.2	97
39	Structure and growth morphology of an archetypal system for organic epitaxy: PTCDA on Ag(111). Physical Review B, 2002, 66, .	1.1	96
40	Adsorption-induced distortion of F16CuP on Cu(111) and Ag(111): An x-ray standing wave study. Physical Review B, 2005, 71, .	1.1	96
41	High-mobility copper-phthalocyanine field-effect transistors with tetratetracontane passivation layer and organic metal contacts. Journal of Applied Physics, 2010, 107, .	1.1	96
42	Protein-Protein Interactions in Ovalbumin Solutions Studied by Small-Angle Scattering: Effect of Ionic Strength and the Chemical Nature of Cations. Journal of Physical Chemistry B, 2010, 114, 3776-3783.	1.2	95
43	Ion-activated attractive patches as a mechanism for controlled protein interactions. Scientific Reports, 2014, 4, 7016.	1.6	94
44	Magnetic anisotropies of sputtered Fe films on MgO substrates. Physical Review B, 1995, 52, 13450-13458.	1.1	91
45	Exciton-phonon coupling in diindenoperylene thin films. Physical Review B, 2008, 78, .	1.1	91
46	Nanoscale Spectroscopic Imaging of Organic Semiconductor Films by Plasmon-Polariton Coupling. Physical Review Letters, 2010, 104, 056601.	2.9	87
47	Viscosity and diffusion: crowding and salt effects in protein solutions. Soft Matter, 2012, 8, 1404-1419.	1.2	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. Surface Science, 2002, 498, 89-104.	0.8	83
49	Charge-controlled metastable liquid-liquid phase separation in protein solutions as a universal pathway towards crystallization. Soft Matter, 2012, 8, 1313-1316.	1.2	83
50	Hydration and interactions in protein solutions containing concentrated electrolytes studied by small-angle scattering. Physical Chemistry Chemical Physics, 2012, 14, 2483.	1.3	82
51	Photoluminescence spectroscopy of pure pentacene, perfluoropentacene, and mixed thin films. Journal of Chemical Physics, 2012, 136, 054701.	1.2	79
52	Molecular Reorganization in Organic Field-Effect Transistors and Its Effect on Two-Dimensional Charge Transport Pathways. ACS Nano, 2013, 7, 1257-1264.	7.3	79
53	Unravelling the multilayer growth of the fullerene C ₆₀ in real time. Nature Communications, 2014, 5, 5388.	5.8	79
54	Real-Time Changes in the Optical Spectrum of Organic Semiconducting Films and Their Thickness Regimes during Growth. Physical Review Letters, 2010, 104, 257401.	2.9	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.	1.5	78
56	Dynamics of proteins in solution. <i>Quarterly Reviews of Biophysics</i> , 2019, 52, .	2.4	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.	1.2	77
58	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , 2018, 9, 954.	5.8	76
59	Spin-orbit-coupling effects on the value and damping factor of the ferromagnetic resonance in Co and Fe films. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S451-S463.	0.7	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.	0.7	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.	1.1	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.	0.8	73
63	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	5.8	72
64	The role of cluster formation and metastable liquid-liquid phase separation in protein crystallization. <i>Faraday Discussions</i> , 2012, 159, 313.	1.6	70
65	Structure, morphology, and growth dynamics of perfluoro-pentacene thin films. <i>Physica Status Solidi - Rapid Research Letters</i> , 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. <i>Organic Electronics</i> , 2009, 10, 1259-1267.	1.4	65
67	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). <i>Physical Review B</i> , 2010, 81, .	1.1	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.	1.5	64
69	Anisotropic optical properties of single crystalline PTCDA studied by spectroscopic ellipsometry. <i>Organic Electronics</i> , 2002, 3, 23-31.	1.4	63
70	Controlled Molecular Alignment in Phthalocyanine Thin Films on Stepped Sapphire Surfaces. <i>Advanced Functional Materials</i> , 2002, 12, 455-460.	7.8	62
71	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	7.8	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.	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	On the question of two-step nucleation in protein crystallization. <i>Faraday Discussions</i> , 2015, 179, 41-58.	1.6	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.	0.9	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.	1.2	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.	6.6	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.	0.8	53
79	Protein Density Profile at the Interface of Water with Oligo(ethylene glycol) Self-Assembled Monolayers. <i>Langmuir</i> , 2009, 25, 4056-4064.	1.6	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.	1.9	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.	4.0	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.	1.2	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.	1.5	52
84	Spin-wave resonance in high-conductivity films: The Fe-Co alloy system. <i>Physical Review B</i> , 1996, 54, 6473-6480.	1.1	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.	1.1	50
86	Structure and morphology of coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2011, 134, 104702.	1.2	50
87	Effective interactions in protein-salt solutions approaching liquid-liquid phase separation. <i>Journal of Molecular Liquids</i> , 2014, 200, 20-27.	2.3	50
88	Multivalent ions and biomolecules: Attempting a comprehensive perspective. <i>ChemPhysChem</i> , 2020, 21, 1742-1767.	1.0	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, .	1.1	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.	4.0	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.	1.2	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, .	4.7	49
93	Site-Specific Geometric and Electronic Relaxations at Organic-Metal Interfaces. <i>Physical Review Letters</i> , 2010, 105, 046103.	2.9	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.	2.9	48
95	Parallel Fabrication of Plasmonic Nanocone Sensing Arrays. <i>Small</i> , 2013, 9, 3987-3992.	5.2	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.	1.3	48
97	Hydration of Oligo(ethylene glycol) Self-Assembled Monolayers Studied Using Polarization Modulation Infrared Spectroscopy. <i>Langmuir</i> , 2007, 23, 970-974.	1.6	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.	0.8	47
99	Diffusion and Dynamics of β -Globulin in Crowded Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7203-7209.	1.2	47
100	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. <i>Organic Electronics</i> , 2015, 18, 17-23.	1.4	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.	4.5	47
102	Reorientational transition of the magnetic anisotropy in Co/Cr(001) superlattices. <i>Physical Review B</i> , 1996, 53, 3256-3262.	1.1	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.	2.7	46
104	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
105	Coupled organic-inorganic nanostructures (COIN). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 97-111.	1.3	45
106	Geometric and Electronic Structure of Templated C60 on Diindenoperylene Thin Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1053-1058.	1.5	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.	1.1	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.	1.2	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, .	1.1	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.	1.9	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.	1.2	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.	6.6	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.	11.1	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.	2.1	39
115	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24657-24668.	1.5	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.	1.5	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.	1.2	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.	2.9	38
119	Strong optical anisotropies of F16CuPc thin films studied by spectroscopic ellipsometry. <i>Journal of Chemical Physics</i> , 2003, 119, 6335-6340.	1.2	37
120	Protein diffusion in crowded electrolyte solutions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 68-75.	1.1	37
121	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	36
122	Tuning phase transitions of aqueous protein solutions by multivalent cations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27214-27225.	1.3	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.	2.1	36
124	Evidence for Kinetically Limited Thickness Dependent Phase Separation in Organic Thin Film Blends. <i>Physical Review Letters</i> , 2013, 110, 185506.	2.9	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.	1.2	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.	1.5	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.	1.5	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.	1.4	34
129	Non-dipolar contributions in XPS detection of X-ray standing waves. <i>Surface Science</i> , 2001, 486, L519-L523.	0.8	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.	3.1	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.	2.2	33
132	Multivalent-Ion-Activated Protein Adsorption Reflecting Bulk Reentrant Behavior. <i>Physical Review Letters</i> , 2017, 119, 228001.	2.9	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.	2.1	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.	1.2	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.	1.1	32
136	Dynamics of highly concentrated protein solutions around the denaturing transition. <i>Soft Matter</i> , 2012, 8, 1628-1633.	1.2	32
137	Toward Conductive Mesocrystalline Assemblies: PbS Nanocrystals Cross-Linked with Tetrathiafulvalene Dicarboxylate. <i>Chemistry of Materials</i> , 2015, 27, 8105-8115.	3.2	32
138	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. <i>Nature Communications</i> , 2020, 11, 6188.	5.8	32
139	Binding and electronic level alignment of π -conjugated systems on metals. <i>Reports on Progress in Physics</i> , 2020, 83, 066501.	8.1	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.	1.1	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.	1.5	31
142	Smoothing and coherent structure formation in organic-organic heterostructure growth. <i>Europhysics Letters</i> , 2010, 91, 56002.	0.7	31
143	Impact of structural imperfections on the energy-level alignment in organic films. <i>Physical Review B</i> , 2011, 83, .	1.1	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.	10.2	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.	1.5	31
146	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
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.	2.1	30
148	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1709-1715.	2.1	30
149	Optically induced electron transfer from conjugated organic molecules to charged metal clusters. <i>Thin Solid Films</i> , 2003, 441, 145-149.	0.8	29
150	Late growth stages and post-growth diffusion in organic epitaxy: PTCDA on Ag(111). <i>Surface Science</i> , 2004, 572, 385-395.	0.8	29
151	Coverage dependent adsorption dynamics in hyperthermal organic thin film growth. <i>Journal of Chemical Physics</i> , 2009, 130, 124701.	1.2	29
152	Solvent vapor annealing on perylene-based organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15700-15709.	5.2	29
153	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
154	X-ray reflectivity study of solution-deposited ZrO_2 thin films on self-assembled monolayers: Growth, interface properties, and thermal densification. <i>Journal of Materials Research</i> , 2000, 15, 2706-2713.	1.2	28
155	Templating Effect for Organic Heterostructure Film Growth: Perfluoropentacene on Diindenoperylene. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16155-16160.	1.5	28
156	Kinetics of Ion-Exchange Reactions in Hybrid Organic-Inorganic Perovskite Thin Films Studied by <i>In Situ</i> Real-Time X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6750-6754.	2.1	28
157	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
158	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. <i>Advanced Functional Materials</i> , 2021, 31, 2101163.	7.8	28
159	Effect of the Alkyl Chain Length of Secondary Amines on the Phase Transfer of Gold Nanoparticles from Water to Toluene. <i>Langmuir</i> , 2014, 30, 6684-6693.	1.6	27
160	Structural Evolution of Metastable Protein Aggregates in the Presence of Trivalent Salt Studied by (V)SANS and SAXS. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5564-5571.	1.2	27
161	Homoepitaxy of Crystalline Rubrene Thin Films. <i>Nano Letters</i> , 2017, 17, 3040-3046.	4.5	27
162	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

#	ARTICLE	IF	CITATIONS
163	<i>In situ</i> X-ray scattering studies of OFET interfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 461-474.	0.8	26
164	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
165	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
166	Revealing Grain Boundaries and Defect Formation in Nanocrystal Superlattices by Nanodiffraction. <i>Small</i> , 2019, 15, e1904954.	5.2	26
167	Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Enhanced Hofmeister Effects in Colloid-Protein Mixtures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4839-4847.	1.5	25
168	Mixing-Induced Anisotropic Correlations in Molecular Crystalline Systems. <i>Physical Review Letters</i> , 2012, 109, 156102.	2.9	25
169	Pentacene on Ag(111): Correlation of Bonding Distance with Intermolecular Interaction and Order. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9377-9381.	4.0	25
170	Island size evolution and molecular diffusion during growth of organic thin films followed by time-resolved specular and off-specular scattering. <i>Physical Review B</i> , 2014, 90, .	1.1	25
171	Nonclassical Pathways of Protein Crystallization in the Presence of Multivalent Metal Ions. <i>Crystal Growth and Design</i> , 2014, 14, 6357-6366.	1.4	25
172	Effect of Phosphorylation on a Human-like Osteopontin Peptide. <i>Biophysical Journal</i> , 2017, 112, 1586-1596.	0.2	25
173	Dewetting of an Organic Semiconductor Thin Film Observed in Real-time. <i>Advanced Engineering Materials</i> , 2009, 11, 291-294.	1.6	24
174	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: Surface charges and interactions with proteins in solution. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 31-38.	5.0	24
175	Enhanced Stability of Rubrene against Oxidation by Partial and Complete Fluorination. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5515-5522.	1.5	24
176	Resonant Raman spectra of diindenoperylene thin films. <i>Journal of Chemical Physics</i> , 2011, 134, 014504.	1.2	23
177	Post-growth surface smoothing of thin films of diindenoperylene. <i>Applied Physics Letters</i> , 2012, 101, 033307.	1.5	23
178	Molecular structure of the substrate-induced thin-film phase of tetracene. <i>Journal of Chemical Physics</i> , 2018, 149, 144701.	1.2	23
179	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
180	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: kinetics of colloid aggregation driven by depletion forces. <i>European Biophysics Journal</i> , 2008, 37, 551-561.	1.2	22

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	Role of the substrate in electronic structure, molecular orientation, and morphology of organic thin films: diindenoperylene on rutile TiO ₂ (110). <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9000.	1.3	21
184	ExbB Protein in the Cytoplasmic Membrane of <i>Escherichia coli</i> Forms a Stable Oligomer. <i>Biochemistry</i> , 2010, 49, 8721-8728.	1.2	21
185	Optical properties of fully and partially fluorinated rubrene in films and solution. <i>Applied Physics Letters</i> , 2013, 102, 013308.	1.5	21
186	Interface optimization using diindenoperylene for C 60 thin film transistors with high electron mobility and stability. <i>Organic Electronics</i> , 2014, 15, 2749-2755.	1.4	21
187	Thickness and Substrate Dependent Thin Film Growth of Picene and Impact on the Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2015, 119, 29027-29037.	1.5	21
188	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
189	Uniaxial anisotropy of organic thin films determined by ellipsometry. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 927-930.	0.8	20
190	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
191	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
192	Raman polarization studies of highly oriented organic thin films. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2015-2022.	1.2	19
193	Structural and Optical Properties of Mixed Diindenoperylene-Perfluoropentacene Thin Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10917-10923.	1.5	19
194	Topography-Related Confocal Raman Microscopy with Cylindrical Vector Beams for Probing Nanoscale Structural Order. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1048-1054.	2.1	19
195	High-resolution neutron spectroscopy on protein solution samples. <i>EPJ Web of Conferences</i> , 2015, 83, 02005.	0.1	19
196	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
197	Structure-Transport Correlation Reveals Anisotropic Charge Transport in Coupled PbS Nanocrystal Superlattices. <i>Advanced Materials</i> , 2020, 32, 2002254.	11.1	19
198	FMR studies of magnetic properties of Co and Fe thin films on Al ₂ O ₃ and MgO substrates. <i>Journal of Applied Physics</i> , 1994, 76, 6096-6098.	1.1	18

#	ARTICLE	IF	CITATIONS
199	Magnetic exchange-coupling effects in asymmetric trilayer structures of MBE-grown Co/Cr/Fe. <i>Physical Review B</i> , 1996, 53, 11613-11620.	1.1	18
200	Optimized preparation of cross-sectional TEM specimens of organic thin films. <i>Ultramicroscopy</i> , 2003, 98, 51-55.	0.8	18
201	Melting Point Enhancement of a Self-Assembled Monolayer Induced by a van der Waals Bound Capping Layer. <i>Langmuir</i> , 2003, 19, 10004-10006.	1.6	18
202	Self-organization of phthalocyanines on Al ₂ O ₃ (1120) in aligned and ordered films. <i>Journal of Materials Research</i> , 2004, 19, 2061-2067.	1.2	18
203	Chain-length dependent growth dynamics of n-alkanes on silica investigated by energy-dispersive x-ray reflectivity <i>in situ</i> and in real-time. <i>Journal of Chemical Physics</i> , 2012, 136, 204709.	1.2	18
204	Analysis of island shape evolution from diffuse x-ray scattering of organic thin films and implications for growth. <i>Physical Review B</i> , 2014, 90, .	1.1	18
205	Structural Defects Control the Energy Level Alignment at Organic/Organic Interfaces. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400004.	1.9	18
206	Excited-State Dynamics of Diindenoperylene in Liquid Solution and in Solid Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12856-12864.	1.5	18
207	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
208	Metal-organic interface functionalization via acceptor end groups: PTCDI on coinage metals. <i>Physical Review Materials</i> , 2017, 1, .	0.9	18
209	Magnetic in-plane anisotropy of MBE grown Co/Cu(111) superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 135, 215-220.	1.0	17
210	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
211	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
212	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
213	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
214	Monolayers of hard rods on planar substrates. II. Growth. <i>Journal of Chemical Physics</i> , 2017, 146, 084903.	1.2	16
215	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
216	Real-time PMIRRAS studies of in situ growth of C11Eg6OMe on gold and immersion effects. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8985.	1.3	15

#	ARTICLE	IF	CITATIONS
217	In situ structural characterization of picene thin films by X-ray scattering: Vacuum versus atmosphere. Chemical Physics Letters, 2012, 544, 34-38.	1.2	15
218	Optical Properties of Blends: Influence of Mixing-Induced Disorder in Pentacene:Diindenoperylene versus Perfluoropentacene:Diindenoperylene. Journal of Physical Chemistry C, 2013, 117, 13952-13960.	1.5	15
219	Nitrogen substitution impacts organic-metal interface energetics. Physical Review B, 2016, 94, .	1.1	15
220	Limits of size scalability of diffusion and growth: Atoms versus molecules versus colloids. Physical Review E, 2017, 95, 020801.	0.8	15
221	Temperature Dependent Epitaxial Growth of C ₆₀ Overlayers on Single Crystal Pentacene. Advanced Materials Interfaces, 2018, 5, 1800084.	1.9	15
222	Template-Free Orientation Selection of Rod-Like Molecular Semiconductors in Polycrystalline Films. Journal of Physical Chemistry Letters, 2019, 10, 1031-1036.	2.1	15
223	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals. Nature Communications, 2022, 13, 892.	5.8	15
224	Structural and magnetic properties of Co/Cr(001) superlattices. Journal of Applied Physics, 1994, 75, 6421-6423.	1.1	14
225	On the Stability of Oligo(ethylene glycol) (C ₁₁ EG ₆ OME) SAMs on Gold: Behavior at Elevated Temperature in Contact with Water. Langmuir, 2011, 27, 2237-2243.	1.6	14
226	Fabrication and characterization of combined metallic nanogratings and ITO electrodes for organic photovoltaic cells. Microelectronic Engineering, 2014, 119, 122-126.	1.1	14
227	Surface Functionalization with Copper Tetraaminophthalocyanine Enables Efficient Charge Transport in Indium Tin Oxide Nanocrystal Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 14197-14206.	4.0	14
228	Arrested and temporarily arrested states in a protein-polymer mixture studied by USAXS and VSANS. Soft Matter, 2017, 13, 8756-8765.	1.2	14
229	Diindenoperylene thin-film structure on MoS ₂ monolayer. Applied Physics Letters, 2019, 114, .	1.5	14
230	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.	1.5	14
231	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. Journal of Materials Chemistry A, 2020, 8, 17732-17740.	5.2	14
232	Crystallization of 2D Hybrid Organic-Inorganic Perovskites Templated by Conductive Substrates. Advanced Functional Materials, 2021, 31, 2009007.	7.8	14
233	The role of serum proteins in Staphylococcus aureus adhesion to ethylene glycol coated surfaces. International Journal of Medical Microbiology, 2014, 304, 949-957.	1.5	13
234	Structural Properties of Picene-Perfluoropentacene and Picene-Pentacene Blends: Superlattice Formation versus Limited Intermixing. Journal of Physical Chemistry C, 2015, 119, 26339-26347.	1.5	13

#	ARTICLE	IF	CITATIONS
235	Interface Dipole and Growth Mode of Partially and Fully Fluorinated Rubrene on Au(111) and Ag(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 6769-6776.	1.5	13
236	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
237	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
238	Quantifying Stabilized Phase Purity in Formamidinium-Based Multiple-Cation Hybrid Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 2769-2776.	3.2	13
239	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
240	Comparative study of the growth of sputtered aluminum oxide films on organic and inorganic substrates. <i>Thin Solid Films</i> , 2008, 516, 6377-6381.	0.8	12
241	Real-time X-ray scattering studies on temperature dependence of perfluoropentacene thin film growth. <i>Journal of Applied Physics</i> , 2013, 114, 043515.	1.1	12
242	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
243	Energy-level alignment at strongly coupled organic–metal interfaces. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 194002.	0.7	12
244	Phase-Separation Kinetics in Protein–Salt Mixtures with Compositionally Tuned Interactions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1913-1919.	1.2	12
245	Dye-Sensitized Ternary Copper Chalcogenide Nanocrystals: Optoelectronic Properties, Air Stability, and Photosensitivity. <i>Chemistry of Materials</i> , 2019, 31, 2443-2449.	3.2	12
246	Kinetics and energetics of metal halide perovskite conversion reactions at the nanoscale. <i>Communications Materials</i> , 2022, 3, .	2.9	12
247	Raman spectroscopy as a probe of molecular order, orientation, and stacking of fluorinated copper–phthalocyanine (F ₁₆ CuPc) thin films. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 597-607.	1.2	11
248	Structure formation in perfluoropentacene:diindenoperylene blends and its impact on transient effects in the optical properties studied in real-time during growth. <i>Journal of Chemical Physics</i> , 2013, 139, 174709.	1.2	11
249	Seleno groups control the energy-level alignment between conjugated organic molecules and metals. <i>Journal of Chemical Physics</i> , 2014, 140, 014705.	1.2	11
250	Controlling length-scales of the phase separation to optimize organic semiconductor blends. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	11
251	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21011-21017.	1.5	11
252	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

#	ARTICLE	IF	CITATIONS
253	Enhanced protein adsorption upon bulk phase separation. <i>Scientific Reports</i> , 2020, 10, 10349.	1.6	11
254	Reorientation of Γ -conjugated molecules on few-layer MoS ₂ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	1.3	11
255	Optimizing the PMIRRAS signal from a multilayer system and application to self-assembled monolayers in contact with liquids. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 172, 21-26.	0.8	10
256	Plasmon resonance modulated photoluminescence and Raman spectroscopy of diindenoperylene organic semiconductor thin film. <i>Journal of Luminescence</i> , 2011, 131, 502-505.	1.5	10
257	Templating Effects of Γ -Sexithiophene in Donor-Acceptor Organic Thin Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23211-23220.	1.5	10
258	Revealing nanoscale optical properties and morphology in perfluoropentacene films by confocal and tip-enhanced near-field optical microscopy and spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15919-15926.	1.3	10
259	Growth and annealing kinetics of Γ -sexithiophene and fullerene C ₆₀ mixed films. <i>Journal of Applied Crystallography</i> , 2016, 49, 1266-1275.	1.9	10
260	Adsorption Behavior of Nonplanar Phthalocyanines: Competition of Different Adsorption Conformations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6869-6875.	1.5	10
261	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
262	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
263	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
264	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
265	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
266	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
267	Anisotropy studies of molecular-beam-epitaxy-grown Co(111) thin films by ferromagnetic resonance. <i>Journal of Applied Physics</i> , 1994, 75, 6492-6494.	1.1	9
268	Phase-sensitive surface X-ray scattering study of a crystalline organic-organic heterostructure. <i>Physica B: Condensed Matter</i> , 2000, 283, 75-78.	1.3	9
269	Stability of hexa(ethylene glycol) SAMs towards the exposure to natural light and repeated reimmersion. <i>Applied Surface Science</i> , 2012, 258, 7882-7888.	3.1	9
270	X-Ray Standing Waves and Surfaces X-Ray Scattering Studies of Molecule-Metal Interfaces. , 2013, , 153-172.		9

#	ARTICLE	IF	CITATIONS
271	Identification of an organic semiconductor superlattice structure of pentacene and perfluoro-pentacene through resonant and non-resonant X-ray scattering. <i>AIP Advances</i> , 2015, 5, .	0.6	9
272	Energy Level Engineering in Organic Thin Films by Tailored Halogenation. <i>Advanced Functional Materials</i> , 2020, 30, 2002987.	7.8	9
273	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
274	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
275	Optical Properties of Perovskite-Organic Multiple Quantum Wells. <i>Advanced Science</i> , 2022, 9, .	5.6	9
276	Investigation of the photothermally modulated ferromagnetic resonance signal from magnetostatic modes in yttrium iron garnet films. <i>Applied Physics A: Solids and Surfaces</i> , 1993, 57, 545-551.	1.4	8
277	Anisotropy studies of AFM coupled MBE grown Co/Cu(001) superlattices. <i>Journal of Applied Physics</i> , 1994, 75, 6184-6186.	1.1	8
278	Evidence of pentacene bulk and thin film phase transformation into an orthorhombic phase by iodine diffusion. <i>Chemical Physics Letters</i> , 2010, 484, 299-303.	1.2	8
279	Impact of molecular tilt angle on the absorption spectra of pentacene:perfluoropentacene blends. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1084-1088.	1.2	8
280	Following Protein Dynamics in Real Time during Crystallization. <i>Crystal Growth and Design</i> , 2019, 19, 7036-7045.	1.4	8
281	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
282	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
283	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
284	Nanoimaging of Orientational Defects in Semiconducting Organic Films. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9229-9235.	1.5	8
285	Structural and Trap-State Density Enhancement in Flash Infrared Annealed Perovskite Layers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100355.	1.9	8
286	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
287	Antiferromagnetic coupling and magnetic anisotropy of Co/Cr(001) superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 148, 211-212.	1.0	7
288	Mechanisms for the enhancement of the thermal stability of organic thin films by aluminum oxide capping layers. <i>Journal of Materials Research</i> , 2006, 21, 455-464.	1.2	7

#	ARTICLE	IF	CITATIONS
289	Surface and interface analysis of iodine-doped pentacene structures for OTFTs. <i>Surface and Interface Analysis</i> , 2011, 43, 518-521.	0.8	7
290	Ultrafast Excited State Dynamics in Diindenoperylene Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17900-17906.	1.5	7
291	Electronically Coupled, Two-Dimensional Assembly of Cu _{1.1} S Nanodiscs for Selective Vapor Sensing Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23720-23727.	1.5	7
292	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
293	Temperature and salt controlled tuning of protein clusters. <i>Soft Matter</i> , 2021, 17, 8506-8516.	1.2	7
294	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
295	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
296	Neural network analysis of neutron and X-ray reflectivity data: automated analysis using <i>mlreflect</i> , experimental errors and feature engineering. <i>Journal of Applied Crystallography</i> , 2022, 55, 362-369.	1.9	7
297	Influence of C60 co-deposition on the growth kinetics of diindenoperylene—From rapid roughening to layer-by-layer growth in blended organic films. <i>Journal of Chemical Physics</i> , 2017, 146, 052807.	1.2	6
298	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
299	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
300	Polymorphism and structure formation in copper phthalocyanine thin films. <i>Journal of Applied Crystallography</i> , 2021, 54, 203-210.	1.9	6
301	X-ray standing waves reveal lack of OH termination at hydroxylated ZnO(0001) surfaces. <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
302	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
303	Titanium—silicon oxide film structures for polarization-modulated infrared reflection absorption spectroscopy. <i>Thin Solid Films</i> , 2009, 517, 2048-2054.	0.8	5
304	The dielectric tensor of monoclinic 1,3,4,9,10-perylene tetracarboxylic dianhydride in the visible spectral range. <i>Thin Solid Films</i> , 2014, 571, 420-425.	0.8	5
305	Structure and Morphology of Organic Semiconductor—Nanoparticle Hybrids Prepared by Soft Deposition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5225-5237.	1.5	5
306	Vibrational modes and changing molecular conformation of perfluororubrene in thin films and solution. <i>Journal of Chemical Physics</i> , 2015, 142, 224703.	1.2	5

#	ARTICLE	IF	CITATIONS
307	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
308	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. <i>Physical Review Materials</i> , 2021, 5, .	0.9	5
309	Switchable SiO_2 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
310	Enhancing light absorption in organic semiconductor thin films by one-dimensional gold nanowire gratings. <i>Physical Review Materials</i> , 2017, 1, .	0.9	5
311	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
312	Magnetic Interface Anisotropy in Co/Cu(111) Thin Films. <i>Physica Status Solidi (B): Basic Research</i> , 1994, 186, K29.	0.7	4
313	Ferromagnetic Resonance Studies of Anisotropy in Co/Cu(111) Multilayers. <i>Physica Status Solidi (B): Basic Research</i> , 1994, 186, 437-441.	0.7	4
314	Evidence for an anisotropy-induced non-collinear spin state in exchange-coupled Co/Cu(001). <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 130, L1-L5.	1.0	4
315	CoCu(111) superlattices investigated by Brillouin light scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 163-164.	1.0	4
316	Comment on "Electron Core-Hole Interaction and Its Induced Ionic Structural Relaxation in Molecular Systems under X-Ray Irradiation". <i>Physical Review Letters</i> , 2007, 99, 059601; discussion 059602.	2.9	4
317	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
318	Reverse-engineering method for XPCS studies of non-equilibrium dynamics. <i>IUCr</i> , 2022, 9, 439-448.	1.0	4
319	Magnetocrystalline anisotropy of sputtered FeCo_{1-x} alloy films on MgO (001) studied by FMR. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 148, 127-128.	1.0	3
320	Publisher's Note: Adsorption-induced distortion of F16CuPc on Cu(111) and Ag(111): An x-ray standing wave study [<i>Phys. Rev. B</i> 71, 205425 (2005)]. <i>Physical Review B</i> , 2005, 71, .	1.1	3
321	Microstructure and charge carrier transport in phthalocyanine based. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1154, 1.	0.1	3
322	Modelling thin film deposition processes based on real-time observation. , 2011, , 83-120.		3
323	Nanosphere Lithography: Parallel Fabrication of Plasmonic Nanocone Sensing Arrays (<i>Small</i> 23/2013). <i>Small</i> , 2013, 9, 4088-4088.	5.2	3
324	Structural Requirements for Surface-Induced Aromatic Stabilization. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1647, 1.	0.1	3

#	ARTICLE	IF	CITATIONS
325	<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
326	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
327	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
328	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
329	Bulk phase behaviour vs interface adsorption: Effects of anions and isotopes on $\hat{\gamma}$ -lactoglobulin (BLG) interactions. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 430-443.	5.0	3
330	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
331	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
332	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
333	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
334	Ferromagnetic and nuclear magnetic resonance studies of Co/Cu(111) superlattices: anisotropy and structural properties. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 148, 152-153.	1.0	2
335	Ferromagnetic resonance study of the Fe Co _{1-x} alloy system. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 281-282.	1.0	2
336	Thiol-based Self-assembled Monolayers: Structure of. , 2001, , 9323-9331.		2
337	The Impact of Capping on the Mobility and Thermal Stability of Organic Thin Film Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	2
338	Pentacene-Gate Dielectric Interface Modification with Silicon Nanoparticles for OTFTs. <i>Physics Procedia</i> , 2012, 32, 285-288.	1.2	2
339	Thin films of organic molecules. , 2013, , 591-609.		2
340	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
341	Charge Separation at Nanostructured Molecular Donor-Acceptor Interfaces. <i>Advances in Polymer Science</i> , 2017, , 77-108.	0.4	2
342	Thin Films of Organic Molecules. , 2018, , 551-570.		2

#	ARTICLE	IF	CITATIONS
343	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
344	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
345	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
346	Coexistence of Ion Pairs and Charge-Transfer Complexes and Their Impact on Pentacene Singlet Fission. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	2
347	Response to "Comment on "Anisotropy studies of molecular-beam epitaxy-grown Co(111) thin films by ferromagnetic resonance" [J. Appl. Phys. 77, 5484 (1995)]. <i>Journal of Applied Physics</i> , 1995, 77, 5486-5486.	1.1	1
348	Temperature-dependent conventional and photothermally modulated FMR measurements on CrO ₂ particulate tapes. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 512-513.	1.0	1
349	Ferromagnetic resonance of sputtered Co/Mn multilayers. <i>Journal of Applied Physics</i> , 1996, 79, 4929.	1.1	1
350	A coherent look at stress. <i>Nature Materials</i> , 2011, 10, 813-814.	13.3	1
351	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
352	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
353	New horizons for the synthesis of nanoparticles: Germanium nanoparticles from metastable GeBr ₃ -solutions. <i>Main Group Metal Chemistry</i> , 2021, 44, 243-249.	0.6	1
354	Short-range organization and photophysical properties of CdSe quantum dots coupled with aryleneethynylenes. <i>Nanotechnology</i> , 2022, 33, 230001.	1.3	1
355	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. <i>Journal of Luminescence</i> , 2022, 248, 118950.	1.5	1
356	Magnetic Exchange Coupling in Asymmetric Trilayers of Co/Cr/Fe. <i>Materials Research Society Symposia Proceedings</i> , 1995, 384, 165.	0.1	0
357	In Situ X-Ray Scattering Studies of OFET Interfaces. , 0, , 161-187.		0
358	Packing and dynamics of a protein solution approaching the jammed state. <i>Soft Matter</i> , 2020, 16, 7751-7759.	1.2	0
359	Imaging of Magnetic Properties Using Photothermal Techniques in Microwave Resonance. , 1994, , 353-354.		0
360	Structure Matters: Combining X-Ray Scattering and Ultraviolet Photoelectron Spectroscopy for Studying Organic Thin Films. <i>Springer Series in Materials Science</i> , 2015, , 109-129.	0.4	0

#	ARTICLE	IF	CITATIONS
361	Coupled Organic-Inorganic Nanostructures (COINs): From Complex Structure Formation to Advanced Functional Properties. , 0, , .		0
362	The Devil is in the Details: Tailoring the Surface Chemistry of Perovskite Nanocrystals for Novel Optoelectronic Devices. , 0, , .		0
363	Nonequilibrium Roughness Evolution of Small Molecule Mixed Films Reflecting Equilibrium Phase Behavior. Journal of Physical Chemistry C, 2022, 126, 11348-11357.	1.5	0