

Sidney R Cohen

List of Publications by Year in descending order

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157
papers

8,818
citations

44069

48
h-index

46799

89
g-index

158
all docs

158
docs citations

158
times ranked

9010
citing authors

#	ARTICLE	IF	CITATIONS
1	Malaria parasites release vesicle subpopulations with signatures of different destinations. <i>EMBO Reports</i> , 2022, 23, .	4.5	18
2	All-Solid-State Electro-Chemo-Mechanical Actuator Operating at Room Temperature. <i>Advanced Functional Materials</i> , 2021, 31, 2006712.	14.9	13
3	Control over size, shape, and photonics of self-assembled organic nanocrystals. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 42-51.	2.2	3
4	20S proteasomes secreted by the malaria parasite promote its growth. <i>Nature Communications</i> , 2021, 12, 1172.	12.8	45
5	Trivalent Dopant Size Influences Electrostrictive Strain in Ceria Solid Solutions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20269-20276.	8.0	9
6	Protein nanofibril design via manipulation of hydrogen bonds. <i>Communications Chemistry</i> , 2021, 4, .	4.5	16
7	The role of convolutional neural networks in scanning probe microscopy: a review. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 878-901.	2.8	18
8	Noncovalent Bonding Caught in Action: From Amorphous to Cocrystalline Molecular Thin Films. <i>ACS Nano</i> , 2021, 15, 14643-14652.	14.6	2
9	Poly(L-lactic acid) Reinforced with Hydroxyapatite and Tungsten Disulfide Nanotubes. <i>Polymers</i> , 2021, 13, 3851.	4.5	4
10	Solid-State Electron Transport via the Protein Azurin is Temperature-Independent Down to 4 K. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 144-151.	4.6	28
11	Nanomechanics of Biomaterials “from Cells to Shells. <i>Israel Journal of Chemistry</i> , 2020, 60, 1171-1184.	2.3	7
12	Laboratory Insights into the Diel Cycle of Optical and Chemical Transformations of Biomass Burning Brown Carbon Aerosols. <i>Environmental Science & Technology</i> , 2020, 54, 11827-11837.	10.0	28
13	Chiral and SHG-Active Metal-Organic Frameworks Formed in Solution and on Surfaces: Uniformity, Morphology Control, Oriented Growth, and Postassembly Functionalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 14210-14221.	13.7	34
14	Oxygen vacancy ordering and viscoelastic mechanical properties of doped ceria ceramics. <i>Scripta Materialia</i> , 2019, 163, 19-23.	5.2	15
15	Electro-Chemomechanical Contribution to Mechanical Actuation in Gd-Doped Ceria Membranes. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801592.	3.7	20
16	Decoration of Inorganic Nanostructures by Metallic Nanoparticles to Induce Fluorescence, Enhance Solubility, and Tune Band Gap. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6748-6759.	3.1	9
17	Tubular Hybrids: A Nanoparticle-Molecular Network. <i>Langmuir</i> , 2018, 34, 2464-2470.	3.5	5
18	Microstructure and nanohardness of Ag and Ni under friction in boundary lubrication. <i>Wear</i> , 2018, 404-405, 62-70.	3.1	10

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19	Doping of Fullerene-Like MoS ₂ Nanoparticles with Minute Amounts of Niobium. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700165.	2.3	3
20	Transistor configuration yields energy level control in protein-based junctions. <i>Nanoscale</i> , 2018, 10, 21712-21720.	5.6	24
21	Metallic Nanocrystal Ripening on Inorganic Surfaces. <i>ACS Omega</i> , 2018, 3, 6533-6539.	3.5	3
22	Structure dependent spin selectivity in electron transport through oligopeptides. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	69
23	Biological fabrication of cellulose fibers with tailored properties. <i>Science</i> , 2017, 357, 1118-1122.	12.6	35
24	Helicenes—A New Class of Organic Spin Filter. <i>Advanced Materials</i> , 2016, 28, 1957-1962.	21.0	319
25	Diameter-dependent wetting of tungsten disulfide nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13624-13629.	7.1	14
26	Unusually Large Young's Moduli of Amino Acid Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13566-13570.	13.8	83
27	The gizzard plates in the Cephalaspidean gastropod <i>Philine quadripartita</i> : Analysis of structure and function. <i>Quaternary International</i> , 2015, 390, 4-14.	1.5	6
28	Metal-Organic Microstructures: From Rectangular to Stellated and Interpenetrating Polyhedra. <i>Journal of the American Chemical Society</i> , 2015, 137, 226-231.	13.7	43
29	A nanometric cushion for enhancing scratch and wear resistance of hard films. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1005-1015.	2.8	6
30	Novel poly(3-hydroxybutyrate) nanocomposites containing WS ₂ inorganic nanotubes with improved thermal, mechanical and tribological properties. <i>Materials Chemistry and Physics</i> , 2014, 147, 273-284.	4.0	38
31	Effect of chemical treatments on nm-scale electrical characteristics of polycrystalline thin film Cu(In,Ga)Se ₂ surfaces. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 500-505.	6.2	24
32	Nanoscale Electron Transport and Photodynamics Enhancement in Lipid-Depleted Bacteriorhodopsin Monomers. <i>ACS Nano</i> , 2014, 8, 7714-7722.	14.6	24
33	The Role of Point Defects in the Mechanical Behavior of Doped Ceria Probed by Nanoindentation. <i>Advanced Functional Materials</i> , 2013, 23, 6076-6081.	14.9	37
34	Self-Assembly of Light-Harvesting Crystalline Nanosheets in Aqueous Media. <i>ACS Nano</i> , 2013, 7, 3547-3556.	14.6	58
35	Osteonal lamellae elementary units: Lamellar microstructure, curvature and mechanical properties. <i>Acta Biomaterialia</i> , 2013, 9, 5956-5962.	8.3	38
36	Interfacial halogen bonding probed using force spectroscopy. <i>Chemical Communications</i> , 2013, 49, 3531.	4.1	11

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37	Oxide Surfaces with Tunable Stiffness. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22232-22239.	3.1	6
38	A Secreted Disulfide Catalyst Controls Extracellular Matrix Composition and Function. <i>Science</i> , 2013, 341, 74-76.	12.6	140
39	New Deposition Technique for Metal Films Containing Inorganic Fullerene-Like (IF) Nanoparticles. <i>ChemPhysChem</i> , 2013, 14, 2125-2131.	2.1	2
40	Dynamic nanoindentation by instrumented nanoindentation and force microscopy: a comparative review. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 815-833.	2.8	90
41	Insights on uniaxial compression of WS ₂ inorganic fullerenes: A finite element study. <i>Journal of Materials Research</i> , 2012, 27, 161-166.	2.6	3
42	Engineered-membranes: A novel concept for clustering of native lipid bilayers. <i>Journal of Colloid and Interface Science</i> , 2012, 388, 300-305.	9.4	4
43	Ga Composition Dictates Macroscopic Photovoltaic and Nanoscopic Electrical Characteristics of Cu(In _{1-X} Ga _X)Se ₂ Thin Films via Grain-Boundary-Type Inversion. <i>IEEE Journal of Photovoltaics</i> , 2012, 2, 191-195.	2.5	23
44	Semiconductor quantum dot-inorganic nanotube hybrids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4271.	2.8	9
45	Zirconium vacuum arc operation in a mixture of Ar and O ₂ gases: Ar effect on the arcing characteristics, deposition rate and coating properties. <i>Surface and Coatings Technology</i> , 2012, 206, 4417-4424.	4.8	6
46	Temperature and Force Dependence of Nanoscale Electron Transport <i>via</i> the Cu Protein Azurin. <i>ACS Nano</i> , 2012, 6, 10816-10824.	14.6	63
47	Influence of Gd content on the room temperature mechanical properties of Gd-doped ceria. <i>Scripta Materialia</i> , 2012, 66, 155-158.	5.2	33
48	An international round-robin calibration protocol for nanoindentation measurements. <i>Micron</i> , 2012, 43, 215-222.	2.2	40
49	Chemical compositional non-uniformity and its effects on CIGS solar cell performance at the nm-scale. <i>Solar Energy Materials and Solar Cells</i> , 2012, 98, 78-82.	6.2	10
50	Friction, wear and structure of Cu samples in the lubricated steady friction state. <i>Tribology International</i> , 2012, 46, 154-160.	5.9	22
51	Nanoindentation of osteonal bone lamellae. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 9, 198-206.	3.1	39
52	Spin Specific Electron Conduction through DNA Oligomers. <i>Nano Letters</i> , 2011, 11, 4652-4655.	9.1	323
53	Young's modulus of peritubular and intertubular human dentin by nano-indentation tests. <i>Journal of Structural Biology</i> , 2011, 174, 23-30.	2.8	86
54	Experimental, finite element, and density-functional theory study of inorganic nanotube compression. <i>Applied Physics Letters</i> , 2011, 98, 081908.	3.3	14

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55	Direct monitoring of opto-mechanical switching of self-assembled monolayer films containing the azobenzene group. Beilstein Journal of Nanotechnology, 2011, 2, 834-844.	2.8	18
56	Self-assembly at solid surfaces. Beilstein Journal of Nanotechnology, 2011, 2, 824-825.	2.8	4
57	Nanometer-scale electronic and microstructural properties of grain boundaries in Cu(In,Ga)Se ₂ . Thin Solid Films, 2011, 519, 7341-7346.	1.8	46
58	Self-assembled two-dimensional porous network in aqueous solution based on perylene diimide phenylacetylene oligomer. Polymers for Advanced Technologies, 2011, 22, 133-138.	3.2	12
59	Self-Sharpening Mechanism of the Sea Urchin Tooth. Advanced Functional Materials, 2011, 21, 682-690.	14.9	72
60	Dislocation structure and hardness of surface layers under friction of copper in different lubricant conditions. Acta Materialia, 2011, 59, 342-348.	7.9	38
61	Radial compression studies of WS ₂ nanotubes in the elastic regime. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, .	1.2	18
62	Alleviating fatigue and failure of NiTi endodontic files by a coating containing inorganic fullerene-like WS ₂ nanoparticles. Journal of Materials Research, 2011, 26, 1234-1242.	2.6	26
63	CHROMIUM-RICH COATINGS WITH WS ₂ NANOPARTICLES CONTAINING FULLERENE-LIKE STRUCTURE. Nano, 2011, 06, 313-324.	1.0	9
64	Kinetics of interaction of HIV fusion protein (gp41) with lipid membranes studied by real-time AFM imaging. Ultramicroscopy, 2010, 110, 694-700.	1.9	12
65	A novel experimental method for the local mechanical testing of human coronal dentin. Dental Materials, 2010, 26, 179-184.	3.5	10
66	Nanoindentation measurements and mechanical testing of as-soldered and aged Sn-0.7Cu lead-free miniature joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4014-4020.	5.6	11
67	Nanocompression of individual multilayered polyhedral nanoparticles. Nanotechnology, 2010, 21, 365705.	2.6	45
68	Atomic Force Microscopy: Opening the Teaching Laboratory to the Nanoworld. Journal of Chemical Education, 2010, 87, 1290-1293.	2.3	29
69	Gold Nanoparticles as Surface Defect Probes for WS ₂ Nanostructures. Journal of Physical Chemistry Letters, 2010, 1, 540-543.	4.6	30
70	Direct Visualization of Protease Action on Collagen Triple Helical Structure. PLoS ONE, 2010, 5, e11043.	2.5	70
71	Laser-induced aligned self-assembly on water surfaces. Journal of Chemical Physics, 2009, 130, 144704.	3.0	17
72	Patterned Organosilane Monolayers as Lyophobic/Lyophilic Guiding Templates in Surface Self-Assembly: Monolayer Self-Assembly versus Wetting-Driven Self-Assembly. Langmuir, 2009, 25, 13984-14001.	3.5	34

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73	Compressive Response of Dentin Micro-Pillars. Solid Mechanics and Its Applications, 2009, , 187-197.	0.2	2
74	Sea Urchin Tooth Design: An "All-Cellulose" Polycrystalline Reinforced Fiber Composite for Grinding Rocks. Advanced Materials, 2008, 20, 1555-1559.	21.0	111
75	Adsorption-Induced Magnetization of PbS Self-Assembled Nanoparticles on GaAs. Advanced Materials, 2008, 20, 2552-2555.	21.0	11
76	Use of AFM in bio-related systems. Current Opinion in Colloid and Interface Science, 2008, 13, 316-325.	7.4	47
77	AFM Investigation of Mechanical Properties of Dentin. Israel Journal of Chemistry, 2008, 48, 65-72.	2.3	14
78	Microscopic Investigation of Shear in Multiwalled Nanotube Deformation. Journal of Physical Chemistry C, 2007, 111, 8432-8436.	3.1	33
79	Fullerene-Like (IF) Nb _x Mo _{1-x} S ₂ Nanoparticles. Journal of the American Chemical Society, 2007, 129, 12549-12562.	13.7	49
80	Characterization of Geoinspired and Synthetic Chrysotile Nanotubes by Atomic Force Microscopy and Transmission Electron Microscopy. Advanced Functional Materials, 2007, 17, 3332-3338.	14.9	57
81	Insights into the Structure and Domain Flexibility of Full-Length Pro-Matrix Metalloproteinase-9/Gelatinase B. Structure, 2007, 15, 1227-1236.	3.3	113
82	Electron Flow Through Molecular Structures. , 2007, , 715-745.		1
83	Investigating Individual Carbon Nanotube/Polymer Interfaces with Scanning Probe Microscopy. Nanoscience and Technology, 2007, , 287-323.	1.5	0
84	In situ SFM study of 2D-polyaniline surface-confined enzymatic polymerization. Journal of Materials Chemistry, 2006, 16, 4044.	6.7	29
85	On the mechanical behavior of WS ₂ nanotubes under axial tension and compression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 523-528.	7.1	263
86	Sequence Dependence of Charge Transport Properties of DNA. Journal of Physical Chemistry B, 2006, 110, 8910-8913.	2.6	63
87	Torsional electromechanical quantum oscillations in carbon nanotubes. Nature Nanotechnology, 2006, 1, 36-41.	31.5	133
88	Understanding the Beneficial Role of Grain Boundaries in Polycrystalline Solar Cells from Single-Grain-Boundary Scanning Probe Microscopy. Advanced Functional Materials, 2006, 16, 649-660.	14.9	165
89	Fracture Transitions at a Carbon-Nanotube/Polymer Interface. Advanced Materials, 2006, 18, 83-87.	21.0	155
90	Scanning tunneling microscopy of single dye molecules on GaAs(110) surfaces. Surface Science, 2005, 583, 297-309.	1.9	6

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91	Stochastic strength of nanotubes: An appraisal of available data. <i>Composites Science and Technology</i> , 2005, 65, 2380-2384.	7.8	97
92	The effect of adsorbed oxygen on the surface potential of n-GaAs(110). <i>Journal of Chemical Physics</i> , 2005, 123, 064705.	3.0	2
93	Branched Coordination Multilayers on Gold. <i>Journal of the American Chemical Society</i> , 2005, 127, 17877-17887.	13.7	72
94	Photoinduced Deprotection and ZnO Patterning of Hydroxyl-Terminated Siloxane-Based Monolayers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14144-14153.	2.6	15
95	External and internal wetting of carbon nanotubes with organic liquids. <i>Physical Review B</i> , 2005, 71, .	3.2	57
96	Carbon nanotube surface chemistry and its effects on interfacial nanomechanics. <i>Materials Research Society Symposia Proceedings</i> , 2004, 858, 260.	0.1	1
97	Surface characteristics and wetting behavior of carbon nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2004, 858, 209.	0.1	1
98	Mechanical behavior of individual WS ₂ nanotubes. <i>Journal of Materials Research</i> , 2004, 19, 454-459.	2.6	117
99	How Polycrystalline Devices Can Outperform Single-Crystal Ones: Thin Film CdTe/CdS Solar Cells. <i>Advanced Materials</i> , 2004, 16, 879-883.	21.0	176
100	Non-crystalline pyroelectric BaTiO ₃ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 109, 167-169.	3.5	11
101	Interfacial fracture energy measurements for multi-walled carbon nanotubes pulled from a polymer matrix. <i>Composites Science and Technology</i> , 2004, 64, 2283-2289.	7.8	222
102	Electrical properties of short DNA oligomers characterized by conducting atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4459.	2.8	59
103	Stepped Polymer Morphology Induced by a Carbon Nanotube Tip. <i>Nano Letters</i> , 2004, 4, 1439-1443.	9.1	17
104	Layer-by-Layer Assembly of Ordinary and Composite Coordination Multilayers. <i>Langmuir</i> , 2004, 20, 10727-10733.	3.5	37
105	Static and Dynamic Wetting Measurements of Single Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 92, 186103.	7.8	240
106	Crystalline Corrugation in Multilayer Films on Aqueous Subphases. <i>Helvetica Chimica Acta</i> , 2003, 86, 2711-2725.	1.6	1
107	Pyroelectricity in Highly Stressed Quasi-Amorphous Thin Films. <i>Advanced Materials</i> , 2003, 15, 1826-1828.	21.0	38
108	Charge Transfer between a Gold Substrate and CdS Nanoparticles Assembled in Hybrid Organic-Inorganic Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4245-4252.	2.6	21

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109	A Composite Gold/Silicon Oxide Surface for Mesoscopic Patterning. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5540-5546.	2.6	14
110	Measurement of carbon nanotube-polymer interfacial strength. <i>Applied Physics Letters</i> , 2003, 82, 4140-4142.	3.3	498
111	Direct evidence for grain-boundary depletion in polycrystalline CdTe from nanoscale-resolved measurements. <i>Applied Physics Letters</i> , 2003, 82, 556-558.	3.3	98
112	Electronically active layers and interfaces in polycrystalline devices: Cross-section mapping of CdS/CdTe solar cells. <i>Applied Physics Letters</i> , 2003, 83, 4924-4926.	3.3	43
113	SPM Probing of Interfacial Strengths of Individual Carbon Nanotubes in a Polymer Matrix. <i>AIP Conference Proceedings</i> , 2003, . .	0.4	0
114	Scanning tunneling microscopy study of WS ₂ nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2095-2098.	2.8	61
115	Detachment of nanotubes from a polymer matrix. <i>Applied Physics Letters</i> , 2002, 81, 3873-3875.	3.3	358
116	Metal Nanoparticles, Nanowires, and Contact Electrodes Self-Assembled on Patterned Monolayer Templates—A Bottom-up Chemical Approach. <i>Advanced Materials</i> , 2002, 14, 1036.	21.0	178
117	Nanoscale Shear and Indentation Measurements in Transcrystalline \pm -Isotactic Polypropylene. <i>Macromolecules</i> , 2001, 34, 1252-1257.	4.8	18
118	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2001, 20, 153-160.	2.4	24
119	Oriented Crystalline Monolayers and Bilayers of 2 Å –2 Silver(I) Grid Architectures at the Air-Solution Interface: Their Assembly and Crystal Structure Elucidation. <i>Chemistry - A European Journal</i> , 2000, 6, 725-734.	3.3	55
120	Constructive Nanolithography: Site-Defined Silver Self-Assembly on Nanoelectrochemically Patterned Monolayer Templates. <i>Advanced Materials</i> , 2000, 12, 424-429.	21.0	186
121	Constructive Nanolithography: Inert Monolayers as Patternable Templates for In-Situ Nanofabrication of Metal-Semiconductor-Organic Surface Structures—A Generic Approach. <i>Advanced Materials</i> , 2000, 12, 725-731.	21.0	228
122	Simulation and correction of geometric distortions in scanning Kelvin probe microscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 1051-1055.	2.1	42
123	High-Resolution Lateral Differentiation Using a Macroscopic Probe: XPS of Organic Monolayers on Composite Au/SiO ₂ Surfaces. <i>Journal of the American Chemical Society</i> , 2000, 122, 4959-4962.	13.7	68
124	Anisotropic nanoindentation of transcrystalline polypropylene by scanning force microscope using blade-like tips. <i>Applied Physics Letters</i> , 1999, 74, 2966-2968.	3.3	15
125	Nanotribology of novel metal dichalcogenides. <i>Applied Surface Science</i> , 1999, 144-145, 603-607.	6.1	21
126	Electrodeposition of CdS quantum dots and their optoelectronic characterization by photoelectrochemical and scanning probe spectroscopies. <i>Superlattices and Microstructures</i> , 1999, 25, 601-613.	3.1	11

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127	Nanoelectrochemical Patterning of Monolayer Surfaces: Toward Spatially Defined Self-Assembly of Nanostructures. <i>Advanced Materials</i> , 1999, 11, 55-61.	21.0	253
128	WS2 nanotubes as tips in scanning probe microscopy. <i>Applied Physics Letters</i> , 1999, 75, 4025-4027.	3.3	119
129	Crystalline Cyclic Peptide Nanotubes at Interfaces. <i>Journal of the American Chemical Society</i> , 1999, 121, 1186-1191.	13.7	49
130	Oriented Crystalline Thin Films of Tetracosanedioic Acid and Its Metal Salts at the Air-Aqueous Solution Interface. <i>Advanced Materials</i> , 1998, 10, 117-121.	21.0	40
131	The tribological behavior of type II textured MX ₂ (M=Mo, W; X=S, Se) films. <i>Thin Solid Films</i> , 1998, 324, 190-197.	1.8	62
132	Self-Assembly at the Air-Water Interface. In-Situ Preparation of Thin Films of Metal Ion Grid Architectures. <i>Journal of the American Chemical Society</i> , 1998, 120, 4850-4860.	13.7	95
133	Fabrication of sub-1/4µm bipolar transistor structures by scanning probe microscopy. <i>Applied Physics Letters</i> , 1998, 73, 1868-1870.	3.3	13
134	Dihedral Angle at Solid/Liquid-Polymer Interfaces Determined by Atomic Force Microscopy. <i>Langmuir</i> , 1997, 13, 6360-6362.	3.5	7
135	Effect of the Substrate Morphology on the Structure of Adsorbed Ice. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5172-5176.	2.6	29
136	Intercalation of Inorganic Fullerene-like Structures Yields Photosensitive Films and New Tips for Scanning Probe Microscopy. <i>Journal of the American Chemical Society</i> , 1997, 119, 2693-2698.	13.7	102
137	Spontaneous Assembly in Organic Thin Films Spread on Aqueous Subphase: A Scanning Force Microscope (SFM) Study. <i>Israel Journal of Chemistry</i> , 1996, 36, 97-110.	2.3	14
138	Growth of crystalline WSe ₂ and WS ₂ films on amorphous substrate by reactive (Van der Waals) rheotaxy. <i>Solar Energy Materials and Solar Cells</i> , 1996, 44, 457-470.	6.2	39
139	Electronic effects of ion mobility in semiconductors: Mixed electronic-ionic behavior and device creation in Si:Li. <i>Journal of Applied Physics</i> , 1996, 80, 2749-2762.	2.5	12
140	Microanalysis surface studies and photoemission properties of CsI photocathodes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 367, 337-341.	1.6	25
141	Room-temperature conductance spectroscopy of CdSe quantum dots using a modified scanning force microscope. <i>Physical Review B</i> , 1995, 52, R17017-R17020.	3.2	84
142	Self-Aggregation of .alpha.,.omega.-Alkanediols into 3-D Crystallites As Studied at Interfaces: The System of .alpha.,.omega.-Docosanediol. <i>The Journal of Physical Chemistry</i> , 1994, 98, 4970-4972.	2.9	45
143	Multifunctional, micropipette based force cantilevers for scanned probe microscopy. <i>Applied Physics Letters</i> , 1994, 65, 648-650.	3.3	50
144	Inhibition of self-aggregation of .alpha.,.omega.-docosanediol into 3D Crystallites by Tailor-Made amphiphilic auxiliaries. <i>Advanced Materials</i> , 1994, 6, 956-959.	21.0	24

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145	Atomic scale friction of a diamond tip on diamond (100) and (111) surfaces. Journal of Applied Physics, 1993, 73, 163-167.	2.5	136
146	A micropipette force probe suitable for near-field scanning optical microscopy. Review of Scientific Instruments, 1992, 63, 4061-4065.	1.3	102
147	An evaluation of the use of the atomic force microscope for studies in nanomechanics. Ultramicroscopy, 1992, 42-44, 66-72.	1.9	16
148	Nanomechanics of a Au-Ir contact using a bidirectional atomic force microscope. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 3449-3454.	2.1	77
149	Force microscopy with a bidirectional capacitance sensor. Review of Scientific Instruments, 1990, 61, 2296-2308.	1.3	179
150	Investigation of no scattering from organic monolayers: Spin-orbit state and vibrational state population distributions. Chemical Physics, 1989, 134, 119-126.	1.9	5
151	Measurement of Micromechanical Properties Using Atomic Force Microscope with Capacitive. Materials Research Society Symposia Proceedings, 1989, 153, 307.	0.1	3
152	Energy distribution between spin-orbit states in NO scattered from organized amphiphilic monolayers. Chemical Physics Letters, 1988, 152, 269-273.	2.6	6
153	Rotational and state-resolved translational distributions of NO scattered from organized amphiphilic monolayers. Journal of Chemical Physics, 1988, 88, 2757-2763.	3.0	33
154	Translational energy transfer from molecules and atoms to adsorbed organic monolayers of long-chain amphiphiles. Physical Review Letters, 1987, 58, 1208-1211.	7.8	89
155	Thermally induced disorder in organized organic monolayers on solid substrates. The Journal of Physical Chemistry, 1986, 90, 3054-3056.	2.9	155
156	Role of fly ash in catalytic oxidation of sulfur(IV) slurries. Environmental Science & Technology, 1981, 15, 1498-1502.	10.0	13
157	The kinetic isotope effect for carbon and oxygen in the reaction CO + OH. International Journal of Chemical Kinetics, 1980, 12, 935-948.	1.6	41