

# JÃ¼rgen P Rabe

## List of Publications by Year in descending order

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379  
papers

22,023  
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393  
docs citations

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times ranked

18457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commensurability and Mobility in Two-Dimensional Molecular Patterns on Graphite. <i>Science</i> , 1991, 253, 424-427.	12.6	820
2	Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 864-883.	13.8	675
3	Effect of Molecular Weight and Annealing of Poly(3-hexylthiophene)s on the Performance of Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2004, 14, 757-764.	14.9	648
4	Orientation-dependent ionization energies and interface dipoles in ordered molecular assemblies. <i>Nature Materials</i> , 2008, 7, 326-332.	27.5	564
5	Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7450-7455.	13.8	523
6	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002, 1, 160-164.	27.5	471
7	Ultrafast nonequilibrium carrier dynamics in a single graphene layer. <i>Physical Review B</i> , 2011, 83, .	3.2	369
8	Diode-like Current-Voltage Curves for a Single Molecule Tunneling Spectroscopy with Submolecular Resolution of an Alkylated, peri-Condensed Hexabenzocoronene. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1609-1611.	4.4	309
9	Helical Nanofilament Phases. <i>Science</i> , 2009, 325, 456-460.	12.6	291
10	Optimized Hole Injection with Strong Electron Acceptors at Organic-Metal Interfaces. <i>Physical Review Letters</i> , 2005, 95, 237601.	7.8	248
11	Nanographenes as Active Components of Single-Molecule Electronics and How a Scanning Tunneling Microscope Puts Them To Work. <i>Accounts of Chemical Research</i> , 2008, 41, 511-520.	15.6	244
12	Synthesis and Self-Assembly of Functionalized Hexa-peri-hexabenzocoronenes. <i>Chemistry - A European Journal</i> , 2000, 6, 4327-4342.	3.3	240
13	Oligothiophenes—Yet Longer? Synthesis, Characterization, and Scanning Tunneling Microscopy Images of Homologous, Isomerically Pure Oligo(alkylthiophene)s. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 303-307.	4.4	235
14	Direct observation of molecular structure and dynamics at the interface between a solid wall and an organic solution by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1991, 66, 2096-2099.	7.8	218
15	Molecular dynamics simulations of ordered alkane chains physisorbed on graphite. <i>Journal of Chemical Physics</i> , 1992, 96, 6213-6221.	3.0	217
16	Controlling Electron and Hole Charge Injection in Ambipolar Organic Field-Effect Transistors by Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2009, 19, 2407-2415.	14.9	209
17	The orientation of Langmuir-Blodgett monolayers using NEXAFS. <i>Journal of Chemical Physics</i> , 1988, 88, 4076-4087.	3.0	202
18	Uniform exciton fluorescence from individual molecular nanotubes immobilized on solid substrates. <i>Nature Nanotechnology</i> , 2009, 4, 658-663.	31.5	199

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19	Evidence for Temperature-Dependent Electron Band Dispersion in Pentacene. <i>Physical Review Letters</i> , 2006, 96, 156803.	7.8	197
20	Self-Assembly of a Conjugated Polymer: From Molecular Rods to a Nanoribbon Architecture with Molecular Dimensions. <i>Chemistry - A European Journal</i> , 1999, 5, 2312-2317.	3.3	191
21	Utilizing redox-chemistry to elucidate the nature of exciton transitions in supramolecular dye nanotubes. <i>Nature Chemistry</i> , 2012, 4, 655-662.	13.6	174
22	Molecular Structure of Single DNA Complexes with Positively Charged Dendronized Polymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 6860-6865.	13.7	173
23	Epitaxial Composite Layers of Electron Donors and Acceptors from Very Large Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2002, 124, 9454-9457.	13.7	158
24	Images of a lipid bilayer at molecular resolution by scanning tunneling microscopy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 969-972.	7.1	157
25	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
26	Tuning the Ionization Energy of Organic Semiconductor Films: The Role of Intramolecular Polar Bonds. <i>Journal of the American Chemical Society</i> , 2008, 130, 12870-12871.	13.7	152
27	The Self-Assembly of Lipophilic Guanosine Derivatives in Solution and on Solid Surfaces. <i>Chemistry - A European Journal</i> , 2000, 6, 3242-3248.	3.3	151
28	Prototypical Single-Molecule Chemical-Field-Effect Transistor with Nanometer-Sized Gates. <i>Physical Review Letters</i> , 2004, 92, 188303.	7.8	150
29	A Simple Tagging System for Protein Encapsulation. <i>Journal of the American Chemical Society</i> , 2006, 128, 4516-4517.	13.7	145
30	Topochemical Polymerization in Supramolecular Polymers of Oligopeptide-Functionalized Diacetylenes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5383-5386.	13.8	137
31	Nile Red Dye in Aqueous Surfactant and Micellar Solution. <i>Langmuir</i> , 2015, 31, 2639-2648.	3.5	137
32	Rapid Trench Channeling of Graphenes with Catalytic Silver Nanoparticles. <i>Nano Letters</i> , 2009, 9, 457-461.	9.1	136
33	Hydration of Bilayered Graphene Oxide. <i>Nano Letters</i> , 2014, 14, 3993-3998.	9.1	135
34	Electronic structure of molecular van der Waals complexes with benzene: Implications for the contrast in scanning tunneling microscopy of molecular adsorbates on graphite. <i>Journal of Chemical Physics</i> , 1997, 107, 99-105.	3.0	129
35	A Poly(para-phenylene) with Hydrophobic and Hydrophilic Dendrons: Prototype of an Amphiphilic Cylinder with the Potential to Segregate Lengthwise. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2370-2372.	13.8	126
36	Triangle-Shaped Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3033-3036.	13.8	126

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37	Orientation of arachidate chains in Langmuir-Blodgett monolayers on Si(111). <i>Physical Review Letters</i> , 1987, 59, 1321-1324.	7.8	125
38	Supramolecular Helices via Self-Assembly of 8-Oxoguanosines. <i>Journal of the American Chemical Society</i> , 2003, 125, 14741-14749.	13.7	123
39	Ordered Dendritic Nanorods with a Poly(p-phenylene) Backbone. <i>Journal of the American Chemical Society</i> , 1998, 120, 7691-7695.	13.7	120
40	Work Function Independent Hole-Injection Barriers Between Pentacene and Conducting Polymers. <i>Advanced Materials</i> , 2005, 17, 330-335.	21.0	116
41	Anisotropic molecular dynamics in the vicinity of order-disorder transitions in organic monolayers. <i>Physical Review Letters</i> , 1992, 69, 1395-1398.	7.8	111
42	Surface Reconstruction of the Lamellar Morphology in a Symmetric Poly(styrene-block-butadiene-block-methyl methacrylate) Triblock Copolymer: A Tapping Mode Scanning Force Microscope Study. <i>Macromolecules</i> , 1996, 29, 7502-7507.	4.8	111
43	Self-Assembly of Electron Donor-Acceptor Dyads into Ordered Architectures in Two and Three Dimensions: A Surface Patterning and Columnar Double Cables. <i>Journal of the American Chemical Society</i> , 2004, 126, 3567-3575.	13.7	111
44	Microscopically observed preparation of Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1984, 117, 269-280.	1.8	110
45	Energy level alignment and morphology of interfaces between molecular and polymeric organic semiconductors. <i>Organic Electronics</i> , 2007, 8, 606-614.	2.6	110
46	Molecular Imaging of Alkanol Monolayers on Graphite. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 189-191.	4.4	108
47	Self-Assembly of a Two-Component Hydrogen-Bonded Network: Comparison of the Two-Dimensional Structure Observed by Scanning Tunneling Microscopy and the Three-Dimensional Crystal Lattice. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1492-1495.	4.4	108
48	Perfectly Straight Nanostructures of Metallo-supramolecular Coordination-Polyelectrolyte Amphiphile Complexes on Graphite. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3681-3683.	13.8	108
49	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4666-4669.	13.8	106
50	Ostwald Ripening of Two-Dimensional Crystals at the Solid-Liquid Interface. <i>The Journal of Physical Chemistry</i> , 1995, 99, 505-507.	2.9	105
51	A Soluble C60 Graphite Segment. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2696-2699.	13.8	105
52	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , 2002, 35, 5290-5294.	4.8	104
53	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. <i>Nanotechnology</i> , 2009, 20, 434007.	2.6	103
54	Shape-Persistent Macrocycles with Terpyridine Units: Synthesis, Characterization, and Structure in the Crystal. <i>Journal of the American Chemical Society</i> , 2003, 125, 6907-6918.	13.7	102

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55	Supramolecular Staircase via Self-Assembly of Disklike Molecules at the Solid~Liquid Interface. <i>Journal of the American Chemical Society</i> , 2001, 123, 11462-11467.	13.7	101
56	A Hexa-peri-hexabenzocoronene Cyclophane:~ An Addition to the Toolbox for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2004, 126, 1402-1407.	13.7	100
57	Order~disorder transitions in Langmuir~Blodgett films. III. Polarized Raman studies of cadmium arachidate using integrated optical techniques. <i>Journal of Chemical Physics</i> , 1987, 86, 1601-1607.	3.0	99
58	Poly-para-phenylene-ethynylene assemblies for a potential molecular nanowire: an SFM study. <i>Optical Materials</i> , 1998, 9, 390-393.	3.6	99
59	The effect of oxygen exposure on pentacene electronic structure. <i>European Physical Journal E</i> , 2005, 17, 339-343.	1.6	98
60	Structural and electronic properties of pentacene-fullerene heterojunctions. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	97
61	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. <i>Macromolecules</i> , 2016, 49, 2281-2287.	4.8	95
62	Extended triphenylenes: synthesis, mesomorphic properties and molecularly resolved scanning tunneling microscopy images of hexakis(dialkoxyphenyl)triphenylenes and dodeca(alkoxy)tris(triphenylenylene)s. <i>Journal of Materials Chemistry</i> , 2000, 10, 1519-1525.	6.7	94
63	Charge-Transfer Localization in Molecularly Doped Thiophene-Based Donor Polymers. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2037-2041.	4.6	91
64	Quantitative scanning tunneling microscopy and scanning force microscopy of organic materials. <i>Ultramicroscopy</i> , 1992, 46, 375-393.	1.9	90
65	Reversible Dewetting of a Molecularly Thin Fluid Water Film in a Soft Graphene~Mica Slit Pore. <i>Nano Letters</i> , 2012, 12, 774-779.	9.1	90
66	Bishexa-peri-hexabenzocoronenyl:~ A ~Superbiphenyl~. <i>Journal of the American Chemical Society</i> , 2000, 122, 7698-7706.	13.7	89
67	Ordered Architectures of a Soluble Hexa-peri-hexabenzocoronene~Pyrene Dyad:~ Thermotropic Bulk Properties and Nanoscale Phase Segregation at Surfaces. <i>Journal of the American Chemical Society</i> , 2003, 125, 9734-9739.	13.7	89
68	Scanning Tunneling Microscopy Investigation of Sulfide and Alkanethiolate Adlayers on Ag(111). <i>Langmuir</i> , 1995, 11, 506-511.	3.5	88
69	Graphene~Based Optically Transparent Electrodes for Spectroelectrochemistry in the UV~Vis Region. <i>Small</i> , 2010, 6, 184-189.	10.0	86
70	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel~Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2348-2350.	13.8	85
71	Structural Order in Perfluoropentacene Thin Films and Heterostructures with Pentacene. <i>Langmuir</i> , 2008, 24, 7294-7298.	3.5	85
72	Effect of temperature on the dynamic contact angle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 144, 235-243.	4.7	84

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73	Diodenartige Strom- $\epsilon$ Spannungs- $\epsilon$ Kennlinie durch ein einzelnes Molek¼l $\epsilon$ Rastertunnelspektroskopie mit submolekularer Aufl¶sung an einem alkylierten, $\epsilon$ peri $\epsilon$ ndensierten Hexabenzocoronon. <i>Angewandte Chemie</i> , 1995, 107, 1768-1770.	2.0	83
74	Photoinitiated Growth of Sub-7 nm Silver Nanowires within a Chemically Active Organic Nanotubular Template. <i>Journal of the American Chemical Society</i> , 2010, 132, 2104-2105.	13.7	83
75	Self- $\epsilon$ assembled alkane monolayers on MoSe <sub>2</sub> and MoS <sub>2</sub> . <i>Applied Physics Letters</i> , 1993, 62, 3531-3533.	3.3	82
76	Light- $\epsilon$ Orchestrated Macromolecular $\epsilon$ Accordions $\epsilon$ : Reversible Photoinduced Shrinking of Rigid- $\epsilon$ Rod Polymers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12559-12563.	13.8	82
77	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1384-1387.	13.8	81
78	Molecular orientation dependent energy levels at interfaces with pentacene and pentacenequinone. <i>Organic Electronics</i> , 2006, 7, 537-545.	2.6	81
79	A Dendritic Nanocylinder: Shape Control Through Implementation of Steric Strain. <i>Advanced Materials</i> , 1998, 10, 793-797.	21.0	79
80	Polymers on graphite and gold: molecular images and substrate defects. <i>Journal of Microscopy</i> , 1988, 152, 573-583.	1.8	78
81	Scanning tunnelling microscopy of several alkylated molecular moieties in monolayers on graphite. <i>Synthetic Metals</i> , 1993, 54, 339-349.	3.9	78
82	Macromolecular Fractionation of Rod-Like Polymers at Atomically Flat Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2000, 12, 579-582.	21.0	78
83	STM Investigation of 2D Crystals of Anthrone Derivatives on Graphite: Analysis of Molecular Structure and Dynamics. <i>The Journal of Physical Chemistry</i> , 1995, 99, 8690-8697.	2.9	77
84	Manipulation and Overstretching of Genes on Solid Substrates. <i>Nano Letters</i> , 2004, 4, 577-579.	9.1	77
85	Thermally induced order-disorder transitions in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1985, 134, 173-178.	1.8	75
86	Surface structure of thin metallic films on mica as seen by scanning tunneling microscopy, scanning electron microscopy, and low-energy electron diffraction. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1991, 9, 857.	1.6	75
87	Gold work function reduction by 2.2eV with an air-stable molecular donor layer. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	75
88	Exfoliation of Crystalline 2D Carbon Nitride: Thin Sheets, Scrolls and Bundles via Mechanical and Chemical Routes. <i>Macromolecular Rapid Communications</i> , 2013, 34, 850-854.	3.9	74
89	Investigating Molecular Charge Transfer Complexes with a Low Temperature Scanning Tunneling Microscope. <i>Physical Review Letters</i> , 2008, 100, 126102.	7.8	73
90	Influence of molecular conformation on organic/metal interface energetics. <i>Chemical Physics Letters</i> , 2005, 413, 390-395.	2.6	72

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91	Role of charge transfer, dipole-dipole interactions, and electrostatics in Fermi-level pinning at a molecular heterojunction on a metal surface. <i>Physical Review B</i> , 2013, 87, .	3.2	70
92	Size-dependent inhibition of herpesvirus cellular entry by polyvalent nanoarchitectures. <i>Nanoscale</i> , 2017, 9, 3774-3783.	5.6	70
93	Synthesis, Structures, and Photophysical Properties of ĩ-Expanded Oligothiophene 8-mers and Their Saturn-Like C <sub>60</sub> Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 3877-3885.	13.7	69
94	Synthesis of Amphiphilic Poly(p-phenylene)s with Pendant Dendrons and Linear Chains. <i>Macromolecules</i> , 2000, 33, 2688-2694.	4.8	68
95	Hydration Effects Turn a Highly Stretched Polymer from an Entropic into an Energetic Spring. <i>ACS Nano</i> , 2017, 11, 702-712.	14.6	68
96	Influence of Hydrogen Bonds on the Supramolecular Order of Hexa-peri-hexabenzocoronenes. <i>Advanced Functional Materials</i> , 2005, 15, 1585-1594.	14.9	66
97	Self-Assembly of Perylene Monoimide Substituted Hexa-peri-hexabenzocoronenes: Dyads and Triads at Surfaces. <i>Advanced Materials</i> , 2006, 18, 1317-1321.	21.0	66
98	Functionalized Graphene as Extracellular Matrix Mimics: Toward Wellâ€Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1606477.	14.9	65
99	Fast nanoscale modification of Ag(111) using a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1991, 58, 702-704.	3.3	64
100	Intrinsic Surface Dipoles Control the Energy Levels of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2009, 19, 3874-3879.	14.9	64
101	Tribology of Langmuir-Blodgett layers. <i>Langmuir</i> , 1989, 5, 485-489.	3.5	63
102	Scanning tunnelling microscopy of alkylated oligothiophenes at interfaces with graphite. <i>Synthetic Metals</i> , 1994, 67, 47-53.	3.9	63
103	Influenza A Matrix Protein M1 Multimerizes upon Binding to Lipid Membranes. <i>Biophysical Journal</i> , 2014, 107, 912-923.	0.5	62
104	Templated bilayer self-assembly of fully conjugated ĩ-expanded macrocyclic oligothiophenes complexed with fullerenes. <i>Nature Communications</i> , 2017, 8, 14717.	12.8	62
105	Oligothiophene â€ immer lÄnger? Synthese, Charakterisierung und rastertunnelmikroskopische Abbildung von homologen, isomerenreinen Oligo(alkylthiophenen). <i>Angewandte Chemie</i> , 1995, 107, 335-339.	2.0	61
106	Scanning probe microscopy explorations on conjugated (macro)molecular architectures for molecular electronics. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 9955-9973.	1.8	61
107	Covalent Connection of Two Individual Polymer Chains on a Surface: An Elementary Step towards Molecular Nanoconstructions. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1932-1935.	13.8	61
108	Twinned Growth of Metalâ€Free, Triazineâ€Based Photocatalyst Films as Mixedâ€Dimensional (2D/3D) van der Waals Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1703399.	21.0	59



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109	Scanning Tunneling Microscopy Imaging of Single Fluorine Atom Substitution in Stearic Acid. <i>Langmuir</i> , 1995, 11, 1427-1430.	3.5	58
110	Synthesis and Solid State Structures of Functionalized Phenyleneethynylene Trimers in 2D and 3D. <i>Chemistry of Materials</i> , 2003, 15, 1032-1039.	6.7	57
111	Controlling energy level offsets in organic/organic heterostructures using intramolecular polar bonds. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	57
112	Band-offset engineering in organic/inorganic semiconductor hybrid structures. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11642.	2.8	57
113	Highly Efficient Multivalent 2D Nanosystems for Inhibition of Orthopoxvirus Particles. <i>Advanced Healthcare Materials</i> , 2016, 5, 2922-2930.	7.6	57
114	Controlled Covalent Functionalization of Thermally Reduced Graphene Oxide To Generate Defined Bifunctional 2D Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2675-2679.	13.8	57
115	Synthesis and Self-Assembly of a Rigid Exotopic Bisphenanthroline Macrocyclic: Surface Patterning and a Supramolecular Nanobasket. <i>Chemistry - A European Journal</i> , 2004, 10, 5481-5492.	3.3	56
116	Synthesis of a Novel Chiral Squaraine Dye and Its Unique Aggregation Behavior in Solution and in Self-Assembled Monolayers. <i>Advanced Materials</i> , 2006, 18, 1271-1275.	21.0	56
117	Density-Dependent Reorientation and Rehybridization of Chemisorbed Conjugated Molecules for Controlling Interface Electronic Structure. <i>Physical Review Letters</i> , 2010, 104, 246805.	7.8	55
118	Synthesis of an Anionically Chargeable, High-Molar-Mass, Second-Generation Dendronized Polymer and the Observation of Branching by Scanning Force Microscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 5091-5099.	13.7	54
119	Amphiphilic Dual Brush Block Copolymers as "Giant Surfactants" and Their Aqueous Self-Assembly. <i>Langmuir</i> , 2010, 26, 3145-3155.	3.5	54
120	Quantitative Aspects of the Dendronization of Dendronized Linear Polystyrenes. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2540-2550.	2.2	52
121	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
122	Current-Voltage Characteristics of a Homologous Series of Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2007, 13, 7349-7357.	3.3	52
123	Molecules at interfaces: STM in materials and life sciences. <i>Ultramicroscopy</i> , 1992, 42-44, 41-54.	1.9	50
124	Solid Vesicle Membrane Made of meso-Tetrakis[(bixynylamino)-o-phenyl]porphyrins. <i>Journal of the American Chemical Society</i> , 1997, 119, 11660-11665.	13.7	50
125	Electronic structure of highly ordered films of self-assembled graphitic nanocolumns. <i>Physical Review B</i> , 2003, 68, .	3.2	50
126	"Soft" Metallic Contact to Isolated C <sub>60</sub> Molecules. <i>Nano Letters</i> , 2008, 8, 3825-3829.	9.1	50



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127	A bifunctional nanocarrier based on amphiphilic hyperbranched polyglycerol derivatives. Journal of Materials Chemistry B, 2013, 1, 3569.	5.8	50
128	Glassy State of Single Dendronized Polymer Chains. Macromolecules, 2004, 37, 2484-2489.	4.8	49
129	SFM Characterization of Poly(isocyanodipeptide) Single Polymer Chains in Controlled Environments:Â Effect of Tip Adhesion and Chain Swelling. Macromolecules, 2005, 38, 473-480.	4.8	49
130	Epitaxial Growth of an Organic pÄ“n Heterojunction: C<sub>60</sub> on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	8.0	49
131	OrderÄ“ disorder transitions in LangmuirÄ“Blodgett films. II. IR studies of the polymerization of CdÄ“octadecylfumarate and CdÄ“octadecylmaleate. Journal of Chemical Physics, 1986, 84, 4096-4102.	3.0	48
132	A theoretical approach to the STM imaging of adsorbates on the graphite surface. Synthetic Metals, 1991, 41, 525-528.	3.9	48
133	On the distribution of Î€-electrons in large polycyclic aromatic hydrocarbons. Chemical Physics Letters, 2004, 397, 412-416.	2.6	48
134	Molecular chains and carpets of sexithiophenes onAu(111). Physical Review B, 2007, 76, .	3.2	48
135	Electronic and structural properties of graphene-based transparent and conductive thin film electrodes. Applied Physics A: Materials Science and Processing, 2009, 94, 1-4.	2.3	48
136	A Covalent-Chemistry Approach to Giant Macromolecules and Their Wetting Behavior on Solid Substrates. Angewandte Chemie - International Edition, 2004, 43, 5185-5188.	13.8	47
137	Molecular Level Control over Hierarchical Structure Formation and Polymerization of OligopeptideÄ“Polymer Conjugates. Advanced Materials, 2008, 20, 409-414.	21.0	46
138	Straightforward Access to Amphiphilic Dual Bottle Brushes by Combining RAFT, ATRP, and NMP Polymerization in One Sequence. Macromolecules, 2011, 44, 9635-9641.	4.8	46
139	Synthesis of 5Ä“Acetyloxazoles and 1,2Ä“Diketones from Î²Ä“AlkoxyÄ“Î²Ä“ketoenamides and Their Subsequent Transformations. Chemistry - A European Journal, 2011, 17, 7480-7491.	3.3	46
140	GrainÄ“Boundary Evolution in a Pentacene Monolayer. Advanced Materials, 2008, 20, 3254-3257.	21.0	45
141	Reactive graphite etch and the structure of an adsorbed organic monolayerÄ“a scanning tunneling microscopy study. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 679-683.	2.1	44
142	Molecular Structure and Dynamics within SelfÄ“Assembled HexakisalkoxyÄ“triphenylene Monolayers and Alkane Wetting Films. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 517-521.	0.9	44
143	Photodecomposition of 10-Diazo-2-hexadecyl-anthrone on Graphite Studied by Scanning Tunneling Microscopy. Angewandte Chemie International Edition in English, 1994, 33, 2080-2083.	4.4	44
144	Molecular-Scale Tracking of the Self-Healing of Polycrystalline Monolayers at the Solid-Liquid Interface. Advanced Materials, 2004, 16, 1761-1765.	21.0	44

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145	Spectroelectrochemical Investigation of Double-Walled Tubular J-Aggregates of Amphiphilic Cyanine Dyes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1260-1268.	3.1	44
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