

Jrgen P Rabe

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368
papers

19,790
citations

76
h-index

122
g-index

393
ext. papers

20,761
ext. citations

7.5
avg, IF

6.49
L-index

#	Paper	IF	Citations
368	Commensurability and mobility in two-dimensional molecular patterns on graphite. <i>Science</i> , 1991 , 253, 424-7	33.3	742
367	Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 864-883	16.4	614
366	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	15.6	612
365	Orientation-dependent ionization energies and interface dipoles in ordered molecular assemblies. <i>Nature Materials</i> , 2008 , 7, 326-32	27	512
364	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002 , 1, 160-4	27	419
363	Triazine-based graphitic carbon nitride: a two-dimensional semiconductor. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7450-5	16.4	412
362	Ultrafast nonequilibrium carrier dynamics in a single graphene layer. <i>Physical Review B</i> , 2011 , 83,	3.3	308
361	Diodelike 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		274
360	Helical nanofilament phases. <i>Science</i> , 2009 , 325, 456-60	33.3	259
359	Optimized hole injection with strong electron acceptors at organic-metal interfaces. <i>Physical Review Letters</i> , 2005 , 95, 237601	7.4	229
358	Synthesis and self-assembly of functionalized hexa-peri-hexabenzocoronenes. <i>Chemistry - A European Journal</i> , 2000 , 6, 4327-42	4.8	224
357	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, 511-20	24.3	223
356	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		211
355	Molecular dynamics simulations of ordered alkane chains physisorbed on graphite. <i>Journal of Chemical Physics</i> , 1992 , 96, 6213-6221	3.9	200
354	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	7.4	200
353	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	15.6	195
352	The orientation of Langmuir-Blodgett monolayers using NEXAFS. <i>Journal of Chemical Physics</i> , 1988 , 88, 4076-4087	3.9	184

351	Evidence for temperature-dependent electron band dispersion in pentacene. <i>Physical Review Letters</i> , 2006 , 96, 156803	7.4	181
350	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	4.8	181
349	Uniform exciton fluorescence from individual molecular nanotubes immobilized on solid substrates. <i>Nature Nanotechnology</i> , 2009 , 4, 658-63	28.7	176
348	Molecular structure of single DNA complexes with positively charged dendronized polymers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6860-5	16.4	161
347	Epitaxial composite layers of electron donors and acceptors from very large polycyclic aromatic hydrocarbons. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9454-7	16.4	150
346	Utilizing redox-chemistry to elucidate the nature of exciton transitions in supramolecular dye nanotubes. <i>Nature Chemistry</i> , 2012 , 4, 655-62	17.6	148
345	Tuning the ionization energy of organic semiconductor films: the role of intramolecular polar bonds. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12870-1	16.4	145
344	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, 969-72	11.5	144
343	The self-assembly of lipophilic guanosine derivatives in solution and on solid surfaces. <i>Chemistry - A European Journal</i> , 2000 , 6, 3242-8	4.8	143
342	Prototypical single-molecule chemical-field-effect transistor with nanometer-sized gates. <i>Physical Review Letters</i> , 2004 , 92, 188303	7.4	139
341	Adsorption-induced intramolecular dipole: correlating molecular conformation and interface electronic structure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7300-4	16.4	138
340	Topochemical polymerization in supramolecular polymers of oligopeptide-functionalized diacetylenes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5383-6	16.4	129
339	A simple tagging system for protein encapsulation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4516-7	16.4	127
338	Rapid trench channeling of graphenes with catalytic silver nanoparticles. <i>Nano Letters</i> , 2009 , 9, 457-61	11.5	124
337	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	3.9	120
336	Supramolecular helices via self-assembly of 8-oxoguanosines. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14741-9	16.4	117
335	Triangle-shaped polycyclic aromatic hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3033-6	16.4	116
334	Work Function Independent Hole-Injection Barriers Between Pentacene and Conducting Polymers. <i>Advanced Materials</i> , 2005 , 17, 330-335	24	111

333	Orientation of arachidate chains in Langmuir-Blodgett monolayers on Si(111). <i>Physical Review Letters</i> , 1987 , 59, 1321-1324	7.4	111
332	Hydration of bilayered graphene oxide. <i>Nano Letters</i> , 2014 , 14, 3993-8	11.5	109
331	Ordered Dendritic Nanorods with a Poly(p-phenylene) Backbone. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7691-7695	16.4	109
330	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	16.4	109
329	Self-assembly of electron donor-acceptor dyads into ordered architectures in two and three dimensions: surface patterning and columnar "double cables". <i>Journal of the American Chemical Society</i> , 2004 , 126, 3567-75	16.4	107
328	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	5.5	106
327	Energy level alignment and morphology of interfaces between molecular and polymeric organic semiconductors. <i>Organic Electronics</i> , 2007 , 8, 606-614	3.5	104
326	Microscopically observed preparation of Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1984 , 117, 269-280	2.2	104
325	Anisotropic molecular dynamics in the vicinity of order-disorder transitions in organic monolayers. <i>Physical Review Letters</i> , 1992 , 69, 1395-1398	7.4	102
324	Perfectly straight nanostructures of metallosupramolecular coordination-polyelectrolyte amphiphile complexes on graphite. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3681-3; 3521	16.4	99
323	Shape-persistent macrocycles with terpyridine units: synthesis, characterization, and structure in the crystal. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6907-18	16.4	99
322	A hexa-peri-hexabenzocoronene cyclophane: an addition to the toolbox for molecular electronics. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1402-7	16.4	97
321	Nile red dye in aqueous surfactant and micellar solution. <i>Langmuir</i> , 2015 , 31, 2639-48	4	96
320	A Soluble C Graphite Segment. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2696-2699	16.4	96
319	Supramolecular staircase via self-assembly of disklike molecules at the solid-liquid interface. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11462-7	16.4	96
318	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		95
317	Poly-para-phenylene-ethynylene assemblies for a potential molecular nanowire: an SFM study. <i>Optical Materials</i> , 1998 , 9, 390-393	3.3	94
316	The effect of oxygen exposure on pentacene electronic structure. <i>European Physical Journal E</i> , 2005 , 17, 339-43	1.5	93

315	Ostwald Ripening of Two-Dimensional Crystals at the Solid-Liquid Interface. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 505-507		93
314	Molecular Imaging of Alkanol Monolayers on Graphite. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 189-191		92
313	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. <i>Nanotechnology</i> , 2009 , 20, 434007	3.4	91
312	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , 2002 , 35, 5290-5294	5.5	91
311	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation This work was supported by the Deutsche Forschungsgemeinschaft (Sfb 448, TPs 1 and 5) and the Fonds der Chemischen Industrie; SFM=scanning force microscopy.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4666-4669	16.4	90
310	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	3.9	90
309	Structural and electronic properties of pentacene-fullerene heterojunctions. <i>Journal of Applied Physics</i> , 2008 , 104, 114518	2.5	89
308	Charge-Transfer Localization in Molecularly Doped Thiophene-Based Donor Polymers. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2037-2041	6.4	86
307	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, 9734-9	16.4	86
306	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		86
305	Scanning Tunneling Microscopy Investigation of Sulfide and Alkanethiolate Adlayers on Ag(111). <i>Langmuir</i> , 1995 , 11, 506-511	4	85
304	Quantitative scanning tunneling microscopy and scanning force microscopy of organic materials. <i>Ultramicroscopy</i> , 1992 , 46, 375-393	3.1	82
303	Graphene-based optically transparent electrodes for spectroelectrochemistry in the UV-Vis region. <i>Small</i> , 2010 , 6, 184-9	11	80
302	Molecular orientation dependent energy levels at interfaces with pentacene and pentacenequinone. <i>Organic Electronics</i> , 2006 , 7, 537-545	3.5	80
301	Dendronisierte Polymere: Synthese, Charakterisierung, Grenzflächenverhalten und Manipulation. <i>Angewandte Chemie</i> , 2000 , 112, 860-880	3.6	80
300	Bishexa-peri-hexabenzocoronenyl: A Superbiphenyl <i>Journal of the American Chemical Society</i> , 2000 , 122, 7698-7706	16.4	80
299	Reversible dewetting of a molecularly thin fluid water film in a soft graphene-mica slit pore. <i>Nano Letters</i> , 2012 , 12, 774-9	11.5	79
298	Structural order in perfluoropentacene thin films and heterostructures with pentacene. <i>Langmuir</i> , 2008 , 24, 7294-8	4	78

297	Dynamic materials through metal-directed and solvent-driven self-assembly of cavitands. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1384-7	16.4	78
296	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2348-2350	16.4	77
295	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. <i>Macromolecules</i> , 2016 , 49, 2281-2287	5.5	76
294	Light-orchestrated macromolecular "accordions": reversible photoinduced shrinking of rigid-rod polymers. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12559-63	16.4	76
293	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, 2104-5	16.4	76
292	Manipulation and Overstretching of Genes on Solid Substrates. <i>Nano Letters</i> , 2004 , 4, 577-579	11.5	75
291	A Dendritic Nanocylinder: Shape Control Through Implementation of Steric Strain. <i>Advanced Materials</i> , 1998 , 10, 793-797	24	74
290	Self-assembled alkane monolayers on MoSe ₂ and MoS ₂ . <i>Applied Physics Letters</i> , 1993 , 62, 3531-3533	3.4	74
289	Macromolecular Fractionation of Rod-Like Polymers at Atomically Flat Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2000 , 12, 579-582	24	73
288	Diodenartige Strom-Spannungs-Kennlinie durch ein einzelnes Molekül-Rastertunnelspektroskopie mit submolekularer Auflösung an einem alkylierten, peri-kondensierten Hexabenzocoronon. <i>Angewandte Chemie</i> , 1995 , 107, 1768-1770	3.6	73
287	Scanning tunnelling microscopy of several alkylated molecular moieties in monolayers on graphite. <i>Synthetic Metals</i> , 1993 , 54, 339-349	3.6	72
286	Thermally induced order-disorder transitions in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1985 , 134, 173-178	2.2	72
285	Effect of temperature on the dynamic contact angle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 144, 235-243	5.1	71
284	Gold work function reduction by 2.2eV with an air-stable molecular donor layer. <i>Applied Physics Letters</i> , 2008 , 93, 243303	3.4	71
283	Investigating molecular charge transfer complexes with a low temperature scanning tunneling microscope. <i>Physical Review Letters</i> , 2008 , 100, 126102	7.4	70
282	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		70
281	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 & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1991 , 9, 857		69
280	Influence of molecular conformation on organic/metal interface energetics. <i>Chemical Physics Letters</i> , 2005 , 413, 390-395	2.5	66

279	Polymers on graphite and gold: molecular images and substrate defects. <i>Journal of Microscopy</i> , 1988 , 152, 573-583	1.9	66
278	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,	3.3	65
277	Exfoliation of crystalline 2D carbon nitride: thin sheets, scrolls and bundles via mechanical and chemical routes. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 850-4	4.8	65
276	Synthesis of Amphiphilic Poly(p-phenylene)s with Pendant Dendrons and Linear Chains. <i>Macromolecules</i> , 2000 , 33, 2688-2694	5.5	65
275	Self-Assembly of Perylene Monoimide Substituted Hexa-peri-hexabenzocoronenes: Dyads and Triads at Surfaces. <i>Advanced Materials</i> , 2006 , 18, 1317-1321	24	62
274	Influence of Hydrogen Bonds on the Supramolecular Order of Hexa-peri-hexabenzocoronenes. <i>Advanced Functional Materials</i> , 2005 , 15, 1585-1594	15.6	62
273	Fast nanoscale modification of Ag(111) using a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1991 , 58, 702-704	3.4	61
272	Size-dependent inhibition of herpesvirus cellular entry by polyvalent nanoarchitectures. <i>Nanoscale</i> , 2017 , 9, 3774-3783	7.7	59
271	Intrinsic Surface Dipoles Control the Energy Levels of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2009 , 19, 3874-3879	15.6	59
270	Tribology of Langmuir-Blodgett layers. <i>Langmuir</i> , 1989 , 5, 485-489	4	57
269	Functionalized Graphene as Extracellular Matrix Mimics: Toward Well-Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017 , 27, 1606477	15.6	55
268	Synthesis, structures, and photophysical properties of expanded oligothiophene 8-mers and their Saturn-like C ₂ complexes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3877-85	16.4	55
267	Synthesis and self-assembly of a rigid exotopic bisphenanthroline macrocycle: surface patterning and a supramolecular nanobasket. <i>Chemistry - A European Journal</i> , 2004 , 10, 5481-92	4.8	55
266	Synthesis and Solid State Structures of Functionalized Phenyleneethynylene Trimers in 2D and 3D. <i>Chemistry of Materials</i> , 2003 , 15, 1032-1039	9.6	55
265	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, 5091-9	16.4	54
264	Covalent connection of two individual polymer chains on a surface: an elementary step towards molecular nanoconstructions. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1932-5	16.4	54
263	Controlling energy level offsets in organic/organic heterostructures using intramolecular polar bonds. <i>Applied Physics Letters</i> , 2009 , 94, 033304	3.4	53
262	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	53

261	Amphiphilic dual brush block copolymers as "giant surfactants" and their aqueous self-assembly. <i>Langmuir</i> , 2010 , 26, 3145-55	4	52
260	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	24	52
259	Oligothiophene immer länger? Synthese, Charakterisierung und rastertunnelmikroskopische Abbildung von homologen, isomerenreinen Oligo(alkylthiophenen). <i>Angewandte Chemie</i> , 1995 , 107, 335-339	3.6	52
258	Density-dependent reorientation and rehybridization of chemisorbed conjugated molecules for controlling interface electronic structure. <i>Physical Review Letters</i> , 2010 , 104, 246805	7.4	51
257	Scanning tunnelling microscopy of alkylated oligothiophenes at interfaces with graphite. <i>Synthetic Metals</i> , 1994 , 67, 47-53	3.6	51
256	Band-offset engineering in organic/inorganic semiconductor hybrid structures. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11642-6	3.6	50
255	Scanning Tunneling Microscopy Imaging of Single Fluorine Atom Substitution in Stearic Acid. <i>Langmuir</i> , 1995 , 11, 1427-1430	4	50
254	Twinned Growth of Metal-Free, Triazine-Based Photocatalyst Films as Mixed-Dimensional (2D/3D) van der Waals Heterostructures. <i>Advanced Materials</i> , 2017 , 29, 1703399	24	49
253	Electronic structure of highly ordered films of self-assembled graphitic nanocolumns. <i>Physical Review B</i> , 2003 , 68,	3.3	49
252	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	3.4	49
251	Highly Efficient Multivalent 2D Nanosystems for Inhibition of Orthopoxvirus Particles. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2922-2930	10.1	48
250	SFM Characterization of Poly(isocyanodipeptide) Single Polymer Chains in Controlled Environments: Effect of Tip Adhesion and Chain Swelling. <i>Macromolecules</i> , 2005 , 38, 473-480	5.5	48
249	Quantitative Aspects of the Dendronization of Dendronized Linear Polystyrenes. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 2540-2550	2.6	48
248	Templated bilayer self-assembly of fully conjugated expanded macrocyclic oligothiophenes complexed with fullerenes. <i>Nature Communications</i> , 2017 , 8, 14717	17.4	47
247	Controlled Covalent Functionalization of Thermally Reduced Graphene Oxide To Generate Defined Bifunctional 2D Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2675-2679	16.4	47
246	Influenza A matrix protein M1 multimerizes upon binding to lipid membranes. <i>Biophysical Journal</i> , 2014 , 107, 912-23	2.9	47
245	A bifunctional nanocarrier based on amphiphilic hyperbranched polyglycerol derivatives. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 3569-3577	7.3	47
244	Current-voltage characteristics of a homologous series of polycyclic aromatic hydrocarbons. <i>Chemistry - A European Journal</i> , 2007 , 13, 7349-57	4.8	47

243	Glassy State of Single Dendronized Polymer Chains. <i>Macromolecules</i> , 2004 , 37, 2484-2489	5.5	47
242	Molecules at interfaces: STM in materials and life sciences. <i>Ultramicroscopy</i> , 1992 , 42-44 (Pt A), 41-54	3.1	47
241	Electronic and structural properties of graphene-based transparent and conductive thin film electrodes. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 1-4	2.6	45
240	"Soft" metallic contact to isolated C60 molecules. <i>Nano Letters</i> , 2008 , 8, 3825-9	11.5	45
239	A theoretical approach to the STM imaging of adsorbates on the graphite surface. <i>Synthetic Metals</i> , 1991 , 41, 525-528	3.6	45
238	Straightforward Access to Amphiphilic Dual Bottle Brushes by Combining RAFT, ATRP, and NMP Polymerization in One Sequence. <i>Macromolecules</i> , 2011 , 44, 9635-9641	5.5	44
237	Solid Vesicle Membrane Made of meso-Tetrakis[(bixinylamino)-o-phenyl]porphyrins. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11660-11665	16.4	44
236	Molecular Level Control over Hierarchical Structure Formation and Polymerization of Oligopeptide-Polymer Conjugates. <i>Advanced Materials</i> , 2008 , 20, 409-414	24	44
235	Molecular chains and carpets of sexithiophenes on Au(111). <i>Physical Review B</i> , 2007 , 76,	3.3	44
234	On the distribution of π electrons in large polycyclic aromatic hydrocarbons. <i>Chemical Physics Letters</i> , 2004 , 397, 412-416	2.5	43
233	Molecular Structure and Dynamics within Self-Assembled Hexakisalkoxy-triphenylene Monolayers and Alkane Wetting Films. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993 , 97, 517-521		43
232	Hydration Effects Turn a Highly Stretched Polymer from an Entropic into an Energetic Spring. <i>ACS Nano</i> , 2017 , 11, 702-712	16.7	42
231	Doping of C60 (sub)monolayers by Fermi-level pinning induced electron transfer. <i>Physical Review B</i> , 2012 , 86,	3.3	42
230	A covalent-chemistry approach to giant macromolecules and their wetting behavior on solid substrates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5185-8	16.4	42
229	Molecular-Scale Tracking of the Self-Healing of Polycrystalline Monolayers at the SolidLiquid Interface. <i>Advanced Materials</i> , 2004 , 16, 1761-1765	24	42
228	OrderDisorder transitions in LangmuirBlodgett films. II. IR studies of the polymerization of CdOctadecylfumarate and CdOctadecylmaleate. <i>Journal of Chemical Physics</i> , 1986 , 84, 4096-4102	3.9	42
227	Structure Solution of the 6,13-Pentacenequinone Surface-Induced Polymorph by Combining X-ray Diffraction Reciprocal-Space Mapping and Theoretical Structure Modeling. <i>Crystal Growth and Design</i> , 2011 , 11, 600-606	3.5	41
226	Synthesis of 5-acetyloxazoles and 1,2-diketones from α alkoxy- β ketoenamides and their subsequent transformations. <i>Chemistry - A European Journal</i> , 2011 , 17, 7480-91	4.8	40

225	Grain-Boundary Evolution in a Pentacene Monolayer. <i>Advanced Materials</i> , 2008 , 20, 3254-3257	24	40
224	The interaction of oxygen and ozone with pentacene. <i>Surface Science</i> , 2006 , 600, 4004-4007	1.8	40
223	Nanoribbons from conjugated macromolecules on amorphous substrates observed by SFM and TEM. <i>Nanotechnology</i> , 1999 , 10, 77-80	3.4	40
222	Photodecomposition of 10-Diazo-2-hexadecyl-anthrone on Graphite Studied by Scanning Tunneling Microscopy. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2080-2083		40
221	Epitaxial Growth of an Organic p-n Heterojunction: C60 on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13499-505	9.5	40
220	Double-helical ultrastructure of polycationic dendronized polymers determined by single-particle Cryo-TEM. <i>Chemistry - A European Journal</i> , 2005 , 11, 2923-8	4.8	39
219	Reactive graphite etch and the structure of an adsorbed organic monolayer – scanning tunneling microscopy study. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1990 , 8, 679-683	2.9	39
218	Structure and dynamics in a Langmuir-Blodgett film at elevated temperatures. <i>Thin Solid Films</i> , 1988 , 159, 359-367	2.2	39
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