

Steven De Feyter

List of Publications by Year in descending order

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451
papers

22,359
citations

10351

72
h-index

15683

125
g-index

491
all docs

491
docs citations

491
times ranked

16112
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional supramolecular self-assembly probed by scanning tunneling microscopy. <i>Chemical Society Reviews</i> , 2003, 32, 139-150.	18.7	981
2	Molecular and Supramolecular Networks on Surfaces: From Two-Dimensional Crystal Engineering to Reactivity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7298-7332.	7.2	616
3	Chemical vapour deposition of zeolitic imidazolate framework thin films. <i>Nature Materials</i> , 2016, 15, 304-310.	13.3	528
4	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. <i>Nature Chemistry</i> , 2014, 6, 126-132.	6.6	468
5	Self-Assembly at the Liquid/Solid Interface: STM Reveals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4290-4302.	1.2	455
6	Two-dimensional supramolecular self-assembly: nanoporous networks on surfaces. <i>Chemical Society Reviews</i> , 2009, 38, 402-421.	18.7	444
7	Two-Dimensional Porous Molecular Networks of Dehydrobenzo[12]annulene Derivatives via Alkyl Chain Interdigitation. <i>Journal of the American Chemical Society</i> , 2006, 128, 16613-16625.	6.6	343
8	Conjugated Covalent Organic Frameworks via Michael Addition-Elimination. <i>Journal of the American Chemical Society</i> , 2017, 139, 2421-2427.	6.6	286
9	Covalent Modification of Graphene and Graphite Using Diazonium Chemistry: Tunable Grafting and Nanomanipulation. <i>ACS Nano</i> , 2015, 9, 5520-5535.	7.3	274
10	One Building Block, Two Different Supramolecular Surface-Confined Patterns: Concentration in Control at the Solid-Liquid Interface. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2964-2968.	7.2	273
11	Scanning Tunneling Microscopy: A Unique Tool in the Study of Chirality, Dynamics, and Reactivity in Physisorbed Organic Monolayers. <i>Accounts of Chemical Research</i> , 2000, 33, 520-531.	7.6	266
12	Self-Assembly of Bisurea Compounds in Organic Solvents and on Solid Substrates. <i>Chemistry - A European Journal</i> , 1997, 3, 1238-1243.	1.7	235
13	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. <i>ACS Nano</i> , 2018, 12, 7445-7481.	7.3	225
14	Two-dimensional chirality at liquid-solid interfaces. <i>Chemical Society Reviews</i> , 2009, 38, 722.	18.7	215
15	Solvent Controlled Self-Assembly at the Liquid-Solid Interface Revealed by STM. <i>Journal of the American Chemical Society</i> , 2006, 128, 317-325.	6.6	200
16	π -Conjugated Oligo-(p-phenylenevinylene) Rosettes and Their Tubular Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 74-78.	7.2	197
17	Frontiers of supramolecular chemistry at solid surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 2520-2542.	18.7	196
18	Exploring the Complexity of Supramolecular Interactions for Patterning at the Liquid-Solid Interface. <i>Accounts of Chemical Research</i> , 2012, 45, 1309-1320.	7.6	193

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19	Terrylenimides: New NIR Fluorescent Dyes. <i>Chemistry - A European Journal</i> , 1997, 3, 219-225.	1.7	185
20	Structurally Defined Graphene Nanoribbons with High Lateral Extension. <i>Journal of the American Chemical Society</i> , 2012, 134, 18169-18172.	6.6	185
21	Structural Transformation of a Two-Dimensional Molecular Network in Response to Selective Guest Inclusion. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2831-2834.	7.2	182
22	Temperature-Induced Structural Phase Transitions in a Two-Dimensional Self-Assembled Network. <i>Journal of the American Chemical Society</i> , 2013, 135, 12068-12075.	6.6	180
23	Control and induction of surface-confined homochiral porous molecular networks. <i>Nature Chemistry</i> , 2011, 3, 714-719.	6.6	179
24	Host-guest chemistry in two-dimensional supramolecular networks. <i>Chemical Communications</i> , 2016, 52, 11465-11487.	2.2	179
25	Light- and STM-Tip-Induced Formation of One-Dimensional and Two-Dimensional Organic Nanostructures. <i>Langmuir</i> , 2003, 19, 6474-6482.	1.6	172
26	Supramolecular surface-confined architectures created by self-assembly of triangular phenyleneethynylene macrocycles via van der Waals interaction. <i>Chemical Communications</i> , 2010, 46, 8507.	2.2	170
27	Programmable Hierarchical Three-Component 2D Assembly at a Liquid-Solid Interface: Recognition, Selection, and Transformation. <i>Nano Letters</i> , 2008, 8, 2541-2546.	4.5	155
28	Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7353-7357.	7.2	154
29	Molecular Clusters in Two-Dimensional Surface-Confined Nanoporous Molecular Networks: Structure, Rigidity, and Dynamics. <i>Journal of the American Chemical Society</i> , 2008, 130, 7119-7129.	6.6	149
30	Molecular Geometry Directed Kagomé and Honeycomb Networks: Toward Two-Dimensional Crystal Engineering. <i>Journal of the American Chemical Society</i> , 2006, 128, 3502-3503.	6.6	143
31	Submolecularly Resolved Polymerization of Diacetylene Molecules on the Graphite Surface Observed with Scanning Tunneling Microscopy. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2601-2603.	4.4	142
32	Bottom-Up Synthesis of Liquid-Phase-Processable Graphene Nanoribbons with Near-Infrared Absorption. <i>ACS Nano</i> , 2014, 8, 11622-11630.	7.3	138
33	Synthesis and Controlled Self-Assembly of Covalently Linked Hexa-peri-hexabenzocoronene/Perylene Diimide Dyads as Models To Study Fundamental Energy and Electron Transfer Processes. <i>Journal of the American Chemical Society</i> , 2012, 134, 5876-5886.	6.6	134
34	2D Networks of Rhombic-Shaped Fused Dehydrobenzo[12]annulenes: Structural Variations under Concentration Control. <i>Journal of the American Chemical Society</i> , 2009, 131, 17583-17590.	6.6	124
35	Solvent Codeposition and Cis-Trans Isomerization of Isophthalic Acid Derivatives Studied by STM. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19636-19641.	2.9	121
36	Two-Dimensional Self-Assembly into Multicomponent Hydrogen-Bonded Nanostructures. <i>Nano Letters</i> , 2005, 5, 77-81.	4.5	115

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37	Solvent-Resistant Nanofiltration Membranes Based on Multilayered Polyelectrolyte Complexes. <i>Chemistry of Materials</i> , 2008, 20, 3876-3883.	3.2	114
38	Copper Benzene Tricarboxylate Metal-Organic Framework with Wide Permanent Mesopores Stabilized by Keggin Polyoxometallate Ions. <i>Journal of the American Chemical Society</i> , 2012, 134, 10911-10919.	6.6	112
39	Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. <i>Nature Materials</i> , 2021, 20, 93-99.	13.3	112
40	Fluorescence and Intramolecular Energy Transfer in Polyphenylene Dendrimers. <i>Macromolecules</i> , 2003, 36, 5918-5925.	2.2	108
41	Controlled Self-Assembly of C ₃ -Symmetric Hexa-peri-hexabenzocoronenes with Alternating Hydrophilic and Hydrophobic Substituents in Solution, in the Bulk, and on a Surface. <i>Journal of the American Chemical Society</i> , 2009, 131, 4439-4448.	6.6	107
42	Detection of different oxidation states of individual manganese porphyrins during their reaction with oxygen at a solid/liquid interface. <i>Nature Chemistry</i> , 2013, 5, 621-627.	6.6	107
43	Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solution-solid interface. <i>Nature Chemistry</i> , 2016, 8, 711-717.	6.6	107
44	Nanostructuring graphene for controlled and reproducible functionalization. <i>Nanoscale</i> , 2015, 7, 1566-1585.	2.8	106
45	Shape-Persistent Macrocycles with Intraannular Polar Groups: Synthesis, Liquid Crystallinity, and 2D Organization. <i>Journal of the American Chemical Society</i> , 2004, 126, 214-222.	6.6	104
46	Host Matrix Dependence on the Photophysical Properties of Individual Conjugated Polymer Chains. <i>Macromolecules</i> , 2003, 36, 500-507.	2.2	101
47	Expression of Chirality by Achiral Coadsorbed Molecules in Chiral Monolayers Observed by STM. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1223-1226.	7.2	100
48	Oligo(<i>p</i> -phenylenevinylene) Peptide Conjugates: Synthesis and Self-Assembly in Solution and at the Solid-Liquid Interface. <i>Journal of the American Chemical Society</i> , 2008, 130, 14576-14583.	6.6	100
49	Twisted Aromatic Frameworks: Readily Exfoliable and Solution-Processable Two-Dimensional Conjugated Microporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6946-6951.	7.2	100
50	Influence of Supramolecular Organization on Energy Transfer Properties in Chiral Oligo(<i>p</i> -phenylene vinylene) Porphyrin Assemblies. <i>Journal of the American Chemical Society</i> , 2007, 129, 9819-9828.	6.6	98
51	Tuning the Supramolecular Chirality of One- and Two-Dimensional Aggregates with the Number of Stereogenic Centers in the Component Porphyrins. <i>Journal of the American Chemical Society</i> , 2010, 132, 9350-9362.	6.6	98
52	Star-Shaped Oligo(<i>p</i> -phenylenevinylene) Substituted Hexaarylbenzene: Purity, Stability, and Chiral Self-assembly. <i>Journal of the American Chemical Society</i> , 2007, 129, 16190-16196.	6.6	96
53	Persistent, Well-Defined, Monodisperse, π -Conjugated Organic Nanoparticles via G-Quadruplex Self-Assembly. <i>Journal of the American Chemical Society</i> , 2010, 132, 4710-4719.	6.6	96
54	Halogen Bonding in Two-Dimensional Crystal Engineering. <i>ChemistryOpen</i> , 2020, 9, 225-241.	0.9	96

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55	Homo- and Heterochiral Supramolecular Tapes from Achiral, Enantiopure, and Racemic Promesogenic Formamides: Expression of Molecular Chirality in Two and Three Dimensions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3217-3220.	7.2	91
56	Synthesis and Photomodulation of Rigid Polyphenylene Dendrimers with an Azobenzene Core. <i>Macromolecules</i> , 2003, 36, 578-590.	2.2	91
57	Imidazo[4,5- <i>f</i>]-1,10-phenanthrolines: Versatile Ligands for the Design of Metallomesogens. <i>Chemistry of Materials</i> , 2008, 20, 1278-1291.	3.2	91
58	Emerging Solvent-Induced Homochirality by the Confinement of Achiral Molecules Against a Solid Surface. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4997-5001.	7.2	90
59	Hydrogen Bonding Versus van der Waals Interactions: Competitive Influence of Noncovalent Interactions on 2D Self-Assembly at the Liquid-Solid Interface. <i>Chemistry - A European Journal</i> , 2010, 16, 14447-14458.	1.7	88
60	Chemical Vapor Deposition Synthesis and Terahertz Photoconductivity of Low-Band-Gap $N = 9$ Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2017, 139, 3635-3638.	6.6	88
61	Toward Two-Dimensional Supramolecular Control of Hydrogen-Bonded Arrays: The Case of Isophthalic Acids. <i>Nano Letters</i> , 2003, 3, 1485-1488.	4.5	85
62	Poly(ethylene oxide) Functionalized Graphene Nanoribbons with Excellent Solution Processability. <i>Journal of the American Chemical Society</i> , 2016, 138, 10136-10139.	6.6	83
63	Bias-Dependent Visualization of Electron Donor (D) and Electron Acceptor (A) Moieties in a Chiral DAD Triad Molecule. <i>Journal of the American Chemical Society</i> , 2003, 125, 14968-14969.	6.6	82
64	Noncovalent Control for Bottom-Up Assembly of Functional Supramolecular Wires. <i>Journal of the American Chemical Society</i> , 2006, 128, 12602-12603.	6.6	81
65	Synthesis of Dehydrobenzo[18]annulene Derivatives and Formation of Self-Assembled Monolayers: Implications of Core Size on Alkyl Chain Interdigitation. <i>Langmuir</i> , 2007, 23, 10190-10197.	1.6	81
66	Assembly and Fiber Formation of a Gemini-Type Hexathienocoronene Amphiphile for Electrical Conduction. <i>Journal of the American Chemical Society</i> , 2013, 135, 13531-13537.	6.6	80
67	Molecular Organization of Bis-urea Substituted Thiophene Derivatives at the Liquid/Solid Interface Studied by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2000, 16, 10385-10391.	1.6	78
68	Structure and Mesomorphic Behavior of Alkoxy-Substituted Bis(phthalocyaninato)lanthanide(III) Complexes. <i>Chemistry of Materials</i> , 2003, 15, 3930-3938.	3.2	77
69	Supramolecular π -Stacked Assemblies of Bis(urea)-Substituted Thiophene Derivatives and Their Electronic Properties Probed with Scanning Tunneling Microscopy and Scanning Tunneling Spectroscopy. <i>Nano Letters</i> , 2001, 1, 201-206.	4.5	76
70	High-Resolution Scanning Tunneling Microscopy Characterization of Mixed Monolayer Protected Gold Nanoparticles. <i>ACS Nano</i> , 2013, 7, 8529-8539.	7.3	76
71	Ordered nanoporous membranes based on diblock copolymers with high chemical stability and tunable separation properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 4333.	6.7	74
72	Role of Substrate in Directing the Self-Assembly of Multicomponent Supramolecular Networks at the Liquid-Solid Interface. <i>ACS Nano</i> , 2012, 6, 8381-8389.	7.3	74

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73	Induction of Chirality in an Achiral Monolayer at the Liquid/Solid Interface by a Supramolecular Chiral Auxiliary. <i>Journal of the American Chemical Society</i> , 2012, 134, 3171-3177.	6.6	74
74	Nanopatterning of a covalent organic framework host-guest system. <i>Chemical Communications</i> , 2016, 52, 68-71.	2.2	74
75	2D Self-Assembly of Oligo(p-phenylene vinylene) Derivatives: From Dimers to Chiral Rosettes. <i>Small</i> , 2004, 1, 131-137.	5.2	73
76	Mesostructure of Evaporated Porphyrin Thin Films: Porphyrin Wheel Formation. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10588-10598.	1.2	72
77	Femtochemistry of Norrish Type-I Reactions: IV. Highly Excited Ketones Experimental. <i>ChemPhysChem</i> , 2002, 3, 79-97.	1.0	72
78	2D-Structures of Quadruple Hydrogen Bonded Oligo(p-phenylenevinylene)s on Graphite: Self-Assembly Behavior and Expression of Chirality. <i>Nano Letters</i> , 2004, 4, 1175-1179.	4.5	72
79	Reversible Local and Global Switching in Multicomponent Supramolecular Networks: Controlled Guest Release and Capture at the Solution/Solid Interface. <i>ACS Nano</i> , 2015, 9, 11608-11617.	7.3	72
80	Hydrogen bond directed self-assembly of core-substituted naphthalene bisimides with melamines in solution and at the graphite interface. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 414-422.	1.5	71
81	Solvent-Induced Homochirality in Surface-Confined Low-Density Nanoporous Molecular Networks. <i>Journal of the American Chemical Society</i> , 2012, 134, 19568-19571.	6.6	69
82	One Building Block, Two Different Nanoporous Self-Assembled Monolayers: A Combined STM and Monte Carlo Study. <i>ACS Nano</i> , 2012, 6, 897-903.	7.3	69
83	Electric-Field-Mediated Reversible Transformation between Supramolecular Networks and Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 11404-11408.	6.6	69
84	Supramolecular Control of Two-Dimensional Phase Behavior. <i>Chemistry - A European Journal</i> , 2003, 9, 1198-1206.	1.7	68
85	Fluorescent Self-Assembled Polyphenylene Dendrimer Nanofibers. <i>Macromolecules</i> , 2003, 36, 8489-8498.	2.2	67
86	Site-Selective Guest Inclusion in Molecular Networks of Butadiyne-Bridged Pyridino and Benzeno Square Macrocycles on a Surface. <i>Journal of the American Chemical Society</i> , 2008, 130, 6666-6667.	6.6	66
87	Femtosecond dynamics of retro Diels-Alder reactions: the concept of concertedness. <i>Chemical Physics Letters</i> , 1999, 304, 134-144.	1.2	65
88	Self-Assembly of Polyphenylene Dendrimers into Micrometer Long Nanofibers: An Atomic Force Microscopy Study. <i>Langmuir</i> , 2002, 18, 2385-2391.	1.6	65
89	Adaptive Building Blocks Consisting of Rigid Triangular Core and Flexible Alkoxy Chains for Self-Assembly at Liquid/Solid Interfaces. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1277-1306.	2.0	65
90	Switching stiction and adhesion of a liquid on a solid. <i>Nature</i> , 2016, 534, 676-679.	13.7	65

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91	Lateral Fusion of Chemical Vapor Deposited $n = 5$ Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2017, 139, 9483-9486.	6.6	65
92	Femtosecond dynamics of valence-bond isomers of azines: transition states and conical intersections. <i>Chemical Physics Letters</i> , 1998, 298, 129-140.	1.2	64
93	Scanning Tunneling Microscopy-Induced Reversible Phase Transformation in the Two-Dimensional Crystal of a Positively Charged Discotic Polycyclic Aromatic Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2011, 133, 5686-5688.	6.6	64
94	Nanoscale Control over the Mixing Behavior of Surface-Confined Bicomponent Supramolecular Networks Using an Oriented External Electric Field. <i>ACS Nano</i> , 2017, 11, 10903-10913.	7.3	64
95	Metal Ion Complexation: A Route to 2D Templates?. <i>Chemistry - A European Journal</i> , 2004, 10, 1124-1132.	1.7	63
96	Self-assembly of tetrathiafulvalene derivatives at a liquid/solid interface—compositional and constitutional influence on supramolecular ordering. <i>Journal of Materials Chemistry</i> , 2005, 15, 4601.	6.7	63
97	Chiral Alignment of OPV Chromophores: Exploitation of the Ureidophthalimide-Based Foldamer. <i>Journal of the American Chemical Society</i> , 2006, 128, 16113-16121.	6.6	63
98	Processable Rylene Diimide Dyes up to 4 μm in Length: Synthesis and STM Visualization. <i>Chemistry - A European Journal</i> , 2013, 19, 11842-11846.	1.7	63
99	Substrate Effects in the Supramolecular Assembly of 1,3,5-Benzene Tricarboxylic Acid on Graphite and Graphene. <i>Langmuir</i> , 2015, 31, 7016-7024.	1.6	63
100	Expression of Chirality and Visualization of Stereogenic Centers by Scanning Tunneling Microscopy. <i>Langmuir</i> , 1999, 15, 2817-2822.	1.6	62
101	Morphology and performance of solvent-resistant nanofiltration membranes based on multilayered polyelectrolytes: Study of preparation conditions. <i>Journal of Membrane Science</i> , 2010, 358, 150-157.	4.1	62
102	Direct observation of the femtosecond nonradiative dynamics of azulene in a molecular beam: The anomalous behavior in the isolated molecule. <i>Journal of Chemical Physics</i> , 1999, 110, 9785-9788.	1.2	60
103	Photoluminescence Intensity Fluctuations and Electric-Field-Induced Photoluminescence Quenching in Individual Nanoclusters of Poly(phenylenevinylene). <i>ChemPhysChem</i> , 2003, 4, 260-267.	1.0	60
104	Structure and function revealed with submolecular resolution at the liquid–solid interface. <i>Soft Matter</i> , 2009, 5, 721-735.	1.2	60
105	Host–Guest Chemistry in Integrated Porous Space Formed by Molecular Self-Assembly at Liquid–Solid Interfaces. <i>Langmuir</i> , 2017, 33, 4601-4618.	1.6	60
106	Femtosecond Dynamics of Norrish Type-II Reactions: Nonconcerted Hydrogen-Transfer and Diradical Intermediacy. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 260-263.	7.2	59
107	Dynamics in Physisorbed Monolayers of 5-Alkoxy-isophthalic Acid Derivatives at the Liquid/Solid Interface Investigated by Scanning Tunneling Microscopy. <i>Chemistry - A European Journal</i> , 2000, 6, 3739-3746.	1.7	59
108	Singlet-Singlet Annihilation in Multichromophoric Peryleneimide Dendrimers, Determined by Fluorescence Upconversion. <i>ChemPhysChem</i> , 2001, 2, 49-55.	1.0	58

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109	Solid-state assemblies and optical properties of conjugated oligomers combining fluorene and thiophene units. <i>Journal of Materials Chemistry</i> , 2007, 17, 728-735.	6.7	58
110	A Tale of Tails: Alkyl Chain Directed Formation of 2D Porous Networks Reveals Odd-Even Effects and Unexpected Bicomponent Phase Behavior. <i>ACS Nano</i> , 2013, 7, 8031-8042.	7.3	58
111	Self-Assembly under Confinement: Nanocorrals for Understanding Fundamentals of 2D Crystallization. <i>ACS Nano</i> , 2016, 10, 10706-10715.	7.3	58
112	Hydrogen-bonding and phase-forming behavior of a soluble quinacridone. <i>Advanced Materials</i> , 1996, 8, 490-493.	11.1	57
113	Tailoring Surface-Confined Nanopores with Photoresponsive Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8373-8376.	7.2	57
114	Molecularly Defined Shape-Persistent 2D Oligomers: The Covalent-Template Approach to Molecular Spoked Wheels. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6802-6806.	7.2	56
115	Two-Dimensional Crystal Engineering at the Liquid-Solid Interface. <i>Topics in Current Chemistry</i> , 2008, 287, 87-133.	4.0	56
116	Aggregation Properties of Soluble Quinacridones in Two and Three Dimensions. <i>Chemistry of Materials</i> , 2002, 14, 989-997.	3.2	55
117	Hydrogen-Bonded Oligo(p-phenylenevinylene) Functionalized with Perylene Bisimide: Self-Assembly and Energy Transfer. <i>Chemistry - A European Journal</i> , 2006, 12, 9046-9055.	1.7	55
118	Giant molecular spoked wheels in giant voids: two-dimensional molecular self-assembly goes big. <i>Chemical Communications</i> , 2008, , 3897.	2.2	55
119	Large All-Hydrocarbon Spoked Wheels of High Symmetry: Modular Synthesis, Photophysical Properties, and Surface Assembly. <i>Journal of the American Chemical Society</i> , 2010, 132, 1410-1423.	6.6	55
120	Self-Assembled Air-Stable Supramolecular Porous Networks on Graphene. <i>ACS Nano</i> , 2013, 7, 10764-10772.	7.3	55
121	Poly(sulfone)/sulfonated poly(ether ether ketone) blend membranes: Morphology study and application in the filtration of alcohol based feeds. <i>Journal of Membrane Science</i> , 2008, 324, 67-75.	4.1	54
122	Two-Dimensional Nanoporous Networks Formed by Liquid-to-Solid Transfer of Hydrogen-Bonded Macrocycles Built from DNA Bases. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 659-663.	7.2	54
123	2-Naphthol Complexation by β -Cyclodextrin: Influence of Added Short Linear Alcohols. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19959-19966.	2.9	53
124	Towards enantioselective adsorption in surface-confined nanoporous systems. <i>Chemical Communications</i> , 2015, 51, 4766-4769.	2.2	53
125	Toward tunable doping in graphene FETs by molecular self-assembled monolayers. <i>Nanoscale</i> , 2013, 5, 9640.	2.8	52
126	Adding Four Extra K-Regions to Hexa-peri-hexabenzocoronene. <i>Journal of the American Chemical Society</i> , 2016, 138, 4726-4729.	6.6	52

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127	Integrated Cleanroom Process for the Vapor-Phase Deposition of Large-Area Zeolitic Imidazolate Framework Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 9462-9471.	3.2	52
128	Tunable doping of graphene by using physisorbed self-assembled networks. <i>Nanoscale</i> , 2016, 8, 20017-20026.	2.8	51
129	Chemical modification of 2D materials using molecules and assemblies of molecules. <i>Advances in Physics: X</i> , 2019, 4, 1625723.	1.5	51
130	Photodimerization of Cinnamate Derivatives Studied by STM. <i>Nano Letters</i> , 2001, 1, 353-359.	4.5	50
131	Two-dimensional crystal engineering using halogen and hydrogen bonds: towards structural landscapes. <i>Chemical Science</i> , 2017, 8, 3759-3769.	3.7	50
132	Synthesis of Triply Fused Porphyrin-Nanographene Conjugates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11233-11237.	7.2	50
133	Influence of polyanion type and cationic counter ion on the SRNF performance of polyelectrolyte membranes. <i>Journal of Membrane Science</i> , 2012, 403-404, 216-226.	4.1	49
134	Nucleoside-Assisted Self-Assembly of Oligo(<i>p</i> -phenylenevinylene)s at Liquid/Solid Interface: Chirality and Nanostructures. <i>Journal of the American Chemical Society</i> , 2011, 133, 17764-17771.	6.6	48
135	Intrinsic Properties of Single Graphene Nanoribbons in Solution: Synthetic and Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 10416-10420.	6.6	48
136	Observing polymerization in 2D dynamic covalent polymers. <i>Nature</i> , 2022, 603, 835-840.	13.7	48
137	Hexaterphenyl- and Hexaquarterphenylbenzene: The Behavior of Chromophores and Electrophores in a Restricted Space. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 774-776.	4.4	47
138	Visualization of Various Supramolecular Assemblies of Oligo(<i>p</i> -phenylenevinylene)-Melamine and Perylene Bisimide. <i>Chemistry - A European Journal</i> , 2008, 14, 8579-8589.	1.7	47
139	Novel Cleft-Containing Porphyrins as Models for Studying Electron Transfer Processes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 361-363.	4.4	46
140	Submolecular visualisation of palladium acetate complexation with a bipyridine derivative at a graphite surface. <i>Chemical Communications</i> , 2002, , 1894-1895.	2.2	46
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