

List of Publications by Year in descending order

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62
papers

2,317
citations

201674

27
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223800

46
g-index

65
all docs

65
docs citations

65
times ranked

2093
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasicrystallinity expressed in two-dimensional coordination networks. <i>Nature Chemistry</i> , 2016, 8, 657-662.	13.6	140
2	On-Surface Growth Dynamics of Graphene Nanoribbons: The Role of Halogen Functionalization. <i>ACS Nano</i> , 2018, 12, 74-81.	14.6	135
3	Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6678-6681.	7.1	123
4	Tailoring Bond Topologies in Open-Shell Graphene Nanostructures. <i>ACS Nano</i> , 2018, 12, 11917-11927.	14.6	118
5	On-surface light-induced generation of higher acenes and elucidation of their open-shell character. <i>Nature Communications</i> , 2019, 10, 861.	12.8	114
6	Open-Shell Nonbenzenoid Nanographenes Containing Two Pairs of Pentagonal and Heptagonal Rings. <i>Journal of the American Chemical Society</i> , 2019, 141, 12011-12020.	13.7	112
7	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2018, 140, 9104-9107.	13.7	110
8	Topological Defect-Induced Magnetism in a Nanographene. <i>Journal of the American Chemical Society</i> , 2020, 142, 1147-1152.	13.7	106
9	On-Surface Synthesis of Heptacene Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 11658-11661.	13.7	83
10	Control of Molecular Organization and Energy Level Alignment by an Electronically Nanopatterned Boron Nitride Template. <i>ACS Nano</i> , 2014, 8, 430-442.	14.6	75
11	On-Surface Synthesis of Antiaromatic and Open-Shell Indeno[2,1- <i>b</i>]fluorene Polymers and Their Lateral Fusion into Porous Ribbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 12346-12354.	13.7	71
12	Heteroatom-Doped Perihexacene from a Double Helicene Precursor: On-Surface Synthesis and Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 4671-4674.	13.7	61
13	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7726-7730.	13.7	61
14	On-Surface Synthesis of Indenofluorene Polymers by Oxidative Five-Membered Ring Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 3532-3536.	13.7	60
15	On-Surface Synthesis of Non-Benzenoid Nanographenes by Oxidative Ring-Closure and Ring-Rearrangement Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 13565-13572.	13.7	58
16	Lanthanide-Directed Assembly of Interfacial Coordination Architectures—From Complex Networks to Functional Nanosystems. <i>Accounts of Chemical Research</i> , 2018, 51, 365-375.	15.6	54
17	On-Surface Synthesis of Unsaturated Carbon Nanostructures with Regularly Fused Pentagon—Heptagon Pairs. <i>Journal of the American Chemical Society</i> , 2020, 142, 10291-10296.	13.7	53
18	Controlling Coordination Reactions and Assembly on a Cu(111) Supported Boron Nitride Monolayer. <i>Journal of the American Chemical Society</i> , 2015, 137, 2420-2423.	13.7	52

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19	Orthogonal Insertion of Lanthanide and Transition-Metal Atoms in Metal-Organic Networks on Surfaces. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6163-6167.	13.8	50
20	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015, 11, 6358-6364.	10.0	43
21	Controlled Manipulation of Gadolinium-Coordinated Supramolecules by Low-Temperature Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2014, 14, 1369-1373.	9.1	40
22	Negatively Curved Warped Nanographene Self-Assembled on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2019, 141, 13158-13164.	13.7	38
23	Large-Cavity Coronoids with Different Inner and Outer Edge Structures. <i>Journal of the American Chemical Society</i> , 2020, 142, 12046-12050.	13.7	38
24	Unravelling the Open-Shell Character of Peripentacene on Au(111). <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 330-336.	4.6	36
25	Five-Vertex Lanthanide Coordination on Surfaces: A Route to Sophisticated Nanoarchitectures and Tessellations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12908-12915.	3.1	34
26	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17594-17599.	13.8	33
27	On-surface polyarylene synthesis by cycloaromatization of isopropyl substituents. , 2022, 1, 289-296.		31
28	Tunable lanthanide-directed metallosupramolecular networks by exploiting coordinative flexibility through ligand stoichiometry. <i>Chemical Communications</i> , 2016, 52, 1618-1621.	4.1	29
29	On-Surface Synthesis of Oligo(indenoindene). <i>Journal of the American Chemical Society</i> , 2020, 142, 12925-12929.	13.7	29
30	On-surface synthesis and characterization of nitrogen-substituted undecacenes. <i>Nature Communications</i> , 2022, 13, 511.	12.8	26
31	On-Surface Synthesis of Cumulene-Containing Polymers via Two-Step Dehalogenative Homocoupling of Dibromomethylene-Functionalized Tribenzoazulene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13281-13287.	13.8	23
32	Growth Optimization and Device Integration of Narrow-Bandgap Graphene Nanoribbons. <i>Small</i> , 2022, 18, .	10.0	17
33	On-Surface Dehydro-Diels-Alder Reaction of Dibromo-bis(phenylethynyl)benzene. <i>Journal of the American Chemical Society</i> , 2020, 142, 1721-1725.	13.7	15
34	On-Surface Synthesis of Cumulene-Containing Polymers via Two-Step Dehalogenative Homocoupling of Dibromomethylene-Functionalized Tribenzoazulene. <i>Angewandte Chemie</i> , 2020, 132, 13383-13389.	2.0	15
35	Reversible Dehalogenation in On-Surface Aryl-Aryl Coupling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14106-14110.	13.8	15
36	Interplay between π -Conjugation and Exchange Magnetism in One-Dimensional Porphyrinoid Polymers. <i>Journal of the American Chemical Society</i> , 2022, 144, 12725-12731.	13.7	15

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37	Overcoming Steric Hindrance in Aryl-Aryl Homocoupling via On-Surface Copolymerization. ChemPhysChem, 2019, 20, 2360-2366.	2.1	14
38	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. Angewandte Chemie, 2020, 132, 17747-17752.	2.0	14
39	On-surface activation of benzylic C-H bonds for the synthesis of pentagon-fused graphene nanoribbons. Nano Research, 2021, 14, 4754-4759.	10.4	14
40	Synthesis and Characterization of <i>peri</i> -Heptacene on a Metallic Surface. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
41	Dysprosium-directed metallosupramolecular network on graphene/Ir(111). Chemical Communications, 2021, 57, 1380-1383.	4.1	12
42	On-Surface Synthesis of a Dicationic Diazahexabenzocoronene Derivative on the Au(111) Surface. Angewandte Chemie - International Edition, 2021, 60, 25551-25556.	13.8	12
43	On-surface synthesis of doubly-linked one-dimensional pentacene ladder polymers. Chemical Communications, 2020, 56, 15309-15312.	4.1	10
44	Efficient photogeneration of nonacene on nanostructured graphene. Nanoscale Horizons, 2021, 6, 744-750.	8.0	9
45	Cumulene-like bridged indeno[1,2- <i>b</i>]fluorene π -conjugated polymers synthesized on metal surfaces. Chemical Communications, 2021, 57, 7545-7548.	4.1	9
46	Asymmetric Elimination Reaction on Chiral Metal Surfaces. Advanced Materials, 2022, 34, e2104481.	21.0	9
47	Tetracene confinement in L-methionine gratings on the Ag(111) surface. Surface Science, 2016, 643, 87-90.	1.9	8
48	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metal-Organic Coordination. Small, 2021, 17, e2102753.	10.0	8
49	Engineering Periodic Dinuclear Lanthanide-Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange. Small, 2022, 18, e2107073.	10.0	8
50	Defect-Induced π -Magnetism into Non-Benzenoid Nanographenes. Nanomaterials, 2022, 12, 224.	4.1	7
51	Surface-Assisted Synthesis of N-Containing π -Conjugated Polymers. Advanced Science, 2022, 9, .	11.2	7
52	Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiolonitrile) linker on Ag(111). Beilstein Journal of Nanotechnology, 2015, 6, 327-335.	2.8	6
53	On-Surface Synthesis of a Dicationic Diazahexabenzocoronene Derivative on the Au(111) Surface. Angewandte Chemie, 2021, 133, 25755-25760.	2.0	6
54	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. Angewandte Chemie - International Edition, 2021, 60, 17887-17892.	13.8	5

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55	On-surface synthesis of π -conjugated ladder-type polymers comprising nonbenzenoid moieties. RSC Advances, 2021, 11, 23437-23441.	3.6	5
56	Synthesis and Characterization of π -Heptacene on a Metallic Surface. Angewandte Chemie, 2022, 134, .	2.0	5
57	In-situ Growth of Gadolinium Phthalocyaninato Sandwich Complexes on the Ag(111) Surface. ChemPhysChem, 2019, 20, 2301-2304.	2.1	4
58	Reversible Dehalogenation in On-surface Aryl-Aryl Coupling. Angewandte Chemie, 2020, 132, 14210-14214.	2.0	2
59	On-surface synthesis of organocopper metallacycles through activation of inner diacetylene moieties. Chemical Science, 2021, 12, 12806-12811.	7.4	2
60	On-Surface Thermal Stability of a Graphenic Structure Incorporating a Tropone Moiety. Nanomaterials, 2022, 12, 488.	4.1	2
61	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. Angewandte Chemie, 2021, 133, 18031-18036.	2.0	1
62	Innentitelbild: Synthesis and Characterization of π -Heptacene on a Metallic Surface (Angew.) Tj ETQq0 0,0 rgBT /Overlock 10	2.0	0