Akimitsu Narita

List of Publications by Citations

176 papers	7,284 citations	46 h-index	81 g-index
198 ext. papers	9,269 ext. citations	11.5 avg, IF	6.29 L-index

#	Paper	IF	Citations
176	New advances in nanographene chemistry. *Chemical Society Reviews*, **2015**, 44, 6616-43	58.5	916
175	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. *Nature Chemistry*, **2014**, 6, 126-32	17.6	384
174	Engineering of robust topological quantum phases in graphene nanoribbons. *Nature*, **2018**, 560, 209-213	50.4	227
173	Short-channel field-effect transistors with 9-atom and 13-atom wide graphene nanoribbons. *Nature Communications*, **2017**, 8, 633	17.4	215
172	Extremely efficient terahertz high-harmonic generation in graphene by hot Dirac fermions. *Nature*, **2018**, 561, 507-511	50.4	205
171	On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. *ACS Nano*, **2017**, 11, 1380-1388	16.7	196
170	Structurally defined graphene nanoribbons with high lateral extension. *Journal of the American Chemical Society*, **2012**, 134, 18169-72	16.4	162
169	Atomically precise edge chlorination of nanographenes and its application in graphene nanoribbons. *Nature Communications*, **2013**, 4, 2646	17.4	156
168	Magnetic edge states and coherent manipulation of graphene nanoribbons. *Nature*, **2018**, 557, 691-695	50.4	147
167	Free-Standing Monolayer Two-Dimensional Supramolecular Organic Framework with Good Internal Order. *Journal of the American Chemical Society*, **2015**, 137, 14525-32	16.4	139
166	Benzo-Fused Double [7]Carbohelicene: Synthesis, Structures, and Physicochemical Properties. *Angewandte Chemie - International Edition*, **2017**, 56, 3374-3378	16.4	135
165	Precision synthesis versus bulk-scale fabrication of graphenes. *Nature Reviews Chemistry*, **2018**, 2,	34.6	134
164	Bottom-up synthesis of chemically precise graphene nanoribbons. *Chemical Record*, **2015**, 15, 295-309	6.6	128
163	Bottom-up synthesis of liquid-phase-processable graphene nanoribbons with near-infrared absorption. *ACS Nano*, **2014**, 8, 11622-30	16.7	122
162	Heteroatom-Doped Nanographenes with Structural Precision. *Accounts of Chemical Research*, **2019**, 52, 2491-2505	24.3	104
161	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. *Journal of the American Chemical Society*, **2016**, 138, 15488-15496	16.4	99
160	Ultrafast photoconductivity of graphene nanoribbons and carbon nanotubes. *Nano Letters*, **2013**, 13, 5925-30	11.5	98

159	Synthesis, Structure, and Chiroptical Properties of a Double [7]Heterohelicene. *Journal of the American Chemical Society*, **2016**, 138, 12783-12786	16.4	95
158	Synthesis of Stable Nanographenes with OBO-Doped Zigzag Edges Based on Tandem Demethylation-Electrophilic Borylation. *Journal of the American Chemical Society*, **2016**, 138, 9021-4	16.4	94
157	B2N2-Dibenzo[a,e]pentalenes: Effect of the BN Orientation Pattern on Antiaromaticity and Optoelectronic Properties. *Journal of the American Chemical Society*, **2015**, 137, 7668-71	16.4	92
156	Deposition, characterization, and thin-film-based chemical sensing of ultra-long chemically synthesized graphene nanoribbons. *Journal of the American Chemical Society*, **2014**, 136, 7555-8	16.4	89
155	Graphene nanoribbons as low band gap donor materials for organic photovoltaics: quantum chemical aided design. *ACS Nano*, **2012**, 6, 5539-48	16.7	88
154	On-Surface Growth Dynamics of Graphene Nanoribbons: The Role of Halogen Functionalization. *ACS Nano*, **2018**, 12, 74-81	16.7	85
153	Unexpected Scholl Reaction of 6,7,13,14-Tetraarylbenzo[k]tetraphene: Selective Formation of Five-Membered Rings in Polycyclic Aromatic Hydrocarbons. *Journal of the American Chemical Society*, **2016**, 138, 2602-8	16.4	78
152	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. *Journal of the American Chemical Society*, **2018**, 140, 9104-9107	16.4	77
151	Benzanelliertes Doppel-[7]Carbohelicen: Synthese, Struktur und physikochemische Eigenschaften. *Angewandte Chemie*, **2017**, 129, 3423-3427	3.6	74
150	Solution and on-surface synthesis of structurally defined graphene nanoribbons as a new family of semiconductors. *Chemical Science*, **2019**, 10, 964-975	9.4	73
149	Graphene nanoribbon blends with P3HT for organic electronics. *Nanoscale*, **2014**, 6, 6301-14	7.7	73
148	Revealing the Electronic Structure of Silicon Intercalated Armchair Graphene Nanoribbons by Scanning Tunneling Spectroscopy. *Nano Letters*, **2017**, 17, 2197-2203	11.5	72
147	Photoswitchable Micro-Supercapacitor Based on a Diarylethene-Graphene Composite Film. *Journal of the American Chemical Society*, **2017**, 139, 9443-9446	16.4	72
146	Chemical Vapor Deposition Synthesis and Terahertz Photoconductivity of Low-Band-Gap N = 9 Armchair Graphene Nanoribbons. *Journal of the American Chemical Society*, **2017**, 139, 3635-3638	16.4	69
145	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. *Nature Communications*, **2016**, 7, 11010	17.4	69
144	A C216-Nanographene Molecule with Defined Cavity as Extended Coronoid. *Journal of the American Chemical Society*, **2016**, 138, 4322-5	16.4	67
143	Raman Fingerprints of Atomically Precise Graphene Nanoribbons. *Nano Letters*, **2016**, 16, 3442-7	11.5	67
142	Extended Pyrene-Fused Double [7]Carbohelicene as a Chiral Polycyclic Aromatic Hydrocarbon. *Journal of the American Chemical Society*, **2019**, 141, 12797-12803	16.4	65

141	Quantum units from the topological engineering of molecular graphenoids. *Science*, **2019**, 366, 1107-1110	33.3	64
140	Persulfurated Coronene: A New Generation of "Sulflower". *Journal of the American Chemical Society*, **2017**, 139, 2168-2171	16.4	62
139	Synthesis of Dibenzo[hi,st]ovalene and Its Amplified Spontaneous Emission in a Polystyrene Matrix. *Angewandte Chemie - International Edition*, **2017**, 56, 6753-6757	16.4	58
138	Lateral Fusion of Chemical Vapor Deposited N = 5 Armchair Graphene Nanoribbons. *Journal of the American Chemical Society*, **2017**, 139, 9483-9486	16.4	58
137	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. *Nature Communications*, **2017**, 8, 14767	17.4	56
136	Exploration of pyrazine-embedded antiaromatic polycyclic hydrocarbons generated by solution and on-surface azomethine ylide homocoupling. *Nature Communications*, **2017**, 8, 1948	17.4	55
135	Single photon emission from graphene quantum dots at room temperature. *Nature Communications*, **2018**, 9, 3470	17.4	53
134	Graphene Nanoribbons: On-Surface Synthesis and Integration into Electronic Devices. *Advanced Materials*, **2020**, 32, e2001893	24	52
133	Surface-Synthesized Graphene Nanoribbons for Room Temperature Switching Devices: Substrate Transfer and ex Situ Characterization. *ACS Applied Nano Materials*, **2019**, 2, 2184-2192	5.6	49
132	High Power In-Plane Micro-Supercapacitors Based on Mesoporous Polyaniline Patterned Graphene. *Small*, **2017**, 13, 1603388	11	47
131	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. *Journal of the American Chemical Society*, **2018**, 140, 7803-7809	16.4	47
130	Role of Edge Engineering in Photoconductivity of Graphene Nanoribbons. *Journal of the American Chemical Society*, **2017**, 139, 7982-7988	16.4	46
129	Amplification of Dissymmetry Factors in Extended [7]- and [9]Helicenes. *Journal of the American Chemical Society*, **2021**, 143, 4661-4667	16.4	45
128	Heteroatom-Doped Perihexacene from a Double Helicene Precursor: On-Surface Synthesis and Properties. *Journal of the American Chemical Society*, **2017**, 139, 4671-4674	16.4	44
127	Adding Four Extra K-Regions to Hexa-peri-hexabenzocoronene. *Journal of the American Chemical Society*, **2016**, 138, 4726-9	16.4	44
126	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. *Carbon*, **2019**, 146, 36-43	10.4	43
125	On-Surface Synthesis of Indenofluorene Polymers by Oxidative Five-Membered Ring Formation. *Journal of the American Chemical Society*, **2018**, 140, 3532-3536	16.4	40
124	On-Surface Synthesis of a Nonplanar Porous Nanographene. *Journal of the American Chemical Society*, **2019**, 141, 7726-7730	16.4	39

123	Bottom-Up Synthesis of Necklace-Like Graphene Nanoribbons. *Chemistry - an Asian Journal*, **2015**, 10, 2134-8	4.5	37
122	High Photoresponsivity in Graphene Nanoribbon Field-Effect Transistor Devices Contacted with Graphene Electrodes. *Journal of Physical Chemistry C*, **2017**, 121, 10620-10625	3.8	36
121	Diels–Alder polymerization: a versatile synthetic method toward functional polyphenylenes, ladder polymers and graphene nanoribbons. *Polymer Journal*, **2018**, 50, 3-20	2.7	35
120	Anchor Groups for Graphene-Porphyrin Single-Molecule Transistors. *Advanced Functional Materials*, **2018**, 28, 1803629	15.6	35
119	Syntheses and Characterizations of Functional Polycyclic Aromatic Hydrocarbons and Graphene Nanoribbons. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 490-506	5.1	34
118	On-Surface Synthesis of Antiaromatic and Open-Shell Indeno[2,1-]fluorene Polymers and Their Lateral Fusion into Porous Ribbons. *Journal of the American Chemical Society*, **2019**, 141, 12346-12354	16.4	34
117	Edge Functionalization of Structurally Defined Graphene Nanoribbons for Modulating the Self-Assembled Structures. *Journal of the American Chemical Society*, **2017**, 139, 16454-16457	16.4	33
116	Negatively Curved Nanographene with Heptagonal and [5]Helicene Units. *Journal of the American Chemical Society*, **2020**, 142, 14814-14819	16.4	32
115	Benzo-Fused Periacenes or Double Helicenes? Different Cyclodehydrogenation Pathways on Surface and in Solution. *Journal of the American Chemical Society*, **2019**, 141, 7399-7406	16.4	31
114	Tuning the deposition of molecular graphene nanoribbons by surface functionalization. *Nanoscale*, **2015**, 7, 12807-11	7.7	31
113	Electrical Characteristics of Field-Effect Transistors based on Chemically Synthesized Graphene Nanoribbons. *Advanced Electronic Materials*, **2015**, 1, 1400010	6.4	31
112	Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. *Nature Chemistry*, **2021**, 13, 581-586	17.6	28
111	Dibenzo[,]ovalene as Highly Luminescent Nanographene: Efficient Synthesis via Photochemical Cyclodehydroiodination, Optoelectronic Properties, and Single-Molecule Spectroscopy. *Journal of the American Chemical Society*, **2019**, 141, 16439-16449	16.4	27
110	Synthesis of Triply Fused Porphyrin-Nanographene Conjugates. *Angewandte Chemie - International Edition*, **2018**, 57, 11233-11237	16.4	27
109	Strong Exciton-Photon Coupling in a Nanographene Filled Microcavity. *Nano Letters*, **2017**, 17, 5521-5525	11.5	27
108	On-Surface Synthesis of Unsaturated Carbon Nanostructures with Regularly Fused Pentagon-Heptagon Pairs. *Journal of the American Chemical Society*, **2020**, 142, 10291-10296	16.4	26
107	Fluorescence from graphene nanoribbons of well-defined structure. *Carbon*, **2017**, 119, 235-240	10.4	25
106	Charge transport mechanism in networks of armchair graphene nanoribbons. *Scientific Reports*, **2020**, 10, 1988	4.9	25

105	Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. *Nano Letters*, **2020**, 20, 6429-6436	11.5	25
104	Exhaled Breath Markers for Nonimaging and Noninvasive Measures for Detection of Multiple Sclerosis. *ACS Chemical Neuroscience*, **2017**, 8, 2402-2413	5.7	24
103	Pump–Push–Probe for Ultrafast All-Optical Switching: The Case of a Nanographene Molecule. *Advanced Functional Materials*, **2019**, 29, 1805249	15.6	24
102	A Shape-Persistent Polyphenylene Spoked Wheel. *Journal of the American Chemical Society*, **2016**, 138, 15539-15542	16.4	23
101	Controlled Quantum Dot Formation in Atomically Engineered Graphene Nanoribbon Field-Effect Transistors. *ACS Nano*, **2020**, 14, 5754-5762	16.7	22
100	Nanographenes: Ultrastable, Switchable, and Bright Probes for Super-Resolution Microscopy. *Angewandte Chemie - International Edition*, **2020**, 59, 496-502	16.4	22
99	Charge carrier mobilities in organic semiconductors: crystal engineering and the importance of molecular contacts. *Physical Chemistry Chemical Physics*, **2015**, 17, 21988-96	3.6	21
98	Bottom-Up, On-Surface-Synthesized Armchair Graphene Nanoribbons for Ultra-High-Power Micro-Supercapacitors. *Journal of the American Chemical Society*, **2020**, 142, 17881-17886	16.4	21
97	Regioselective Bromination and Functionalization of Dibenzo[hi,st]ovalene as Highly Luminescent Nanographene with Zigzag Edges. *Chemistry - an Asian Journal*, **2019**, 14, 1703-1707	4.5	19
96	Modulation of the Nonlinear Optical Properties of Dibenzo[hi,st]ovalene by Peripheral Substituents. *Journal of Physical Chemistry C*, **2018**, 122, 25007-25013	3.8	19
95	Surface-Specific Spectroscopy of Water at a Potentiostatically Controlled Supported Graphene Monolayer. *Journal of Physical Chemistry C*, **2019**, 123, 24031-24038	3.8	18
94	Hexa-peri-hexabenzocoronene with Different Acceptor Units for Tuning Optoelectronic Properties. *Chemistry - an Asian Journal*, **2016**, 11, 2710-2714	4.5	17
93	Synthesis of Nonplanar Graphene Nanoribbon with Fjord Edges. *Journal of the American Chemical Society*, **2021**, 143, 5654-5658	16.4	17
92	Probing optical excitations in chevron-like armchair graphene nanoribbons. *Nanoscale*, **2017**, 9, 18326-18333	7.7	16
91	Large-Cavity Coronoids with Different Inner and Outer Edge Structures. *Journal of the American Chemical Society*, **2020**, 142, 12046-12050	16.4	16
90	A Universal Length-Dependent Vibrational Mode in Graphene Nanoribbons. *ACS Nano*, **2019**, 13, 13083-13091	16.7	15
89	Vapor-phase transport deposition, characterization, and applications of large nanographenes. *Journal of the American Chemical Society*, **2015**, 137, 4453-9	16.4	15
88	Polycyclic aromatic chains on metals and insulating layers by repetitive [3+2] cycloadditions. *Nature Communications*, **2020**, 11, 1490	17.4	15

87	Electrospray deposition of structurally complex molecules revealed by atomic force microscopy. *Nanoscale*, **2018**, 10, 1337-1344	7.7	15
86	Spiro-fused bis-hexa-peri-hexabenzocoronene. *Chemical Communications*, **2018**, 54, 13575-13578	5.8	15
85	Synthesis of Dibenzo[hi,st]ovalene and Its Amplified Spontaneous Emission in a Polystyrene Matrix. *Angewandte Chemie*, **2017**, 129, 6857-6861	3.6	14
84	Synthesis and assembly of extended quintulene. *Nature Communications*, **2020**, 11, 3976	17.4	14
83	Edge chlorination of hexa-peri-hexabenzocoronene investigated by density functional theory and vibrational spectroscopy. *Physical Chemistry Chemical Physics*, **2016**, 18, 11869-78	3.6	14
82	Fabrication of three terminal devices by ElectroSpray deposition of graphene nanoribbons. *Carbon*, **2016**, 104, 112-118	10.4	14
81	Synthesis of Circumpyrene by Alkyne Benzannulation of Brominated Dibenzo[,]ovalene. *Journal of the American Chemical Society*, **2019**, 141, 19994-19999	16.4	14
80	On-surface synthesis of polyazulene with 2,6-connectivity. *Chemical Communications*, **2019**, 55, 13466-13469	5.8	14
79	Optimized Substrates and Measurement Approaches for Raman Spectroscopy of Graphene Nanoribbons. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1900343	1.3	13
78	Photomodulation of Two-Dimensional Self-Assembly of Azobenzene–Hexa-peri-hexabenzocoronene–Azobenzene Triads. *Chemistry of Materials*, **2019**, 31, 6979-6985	9.6	13
77	Proton-Gated Ring-Closure of a Negative Photochromic Azulene-Based Diarylethene. *Angewandte Chemie - International Edition*, **2020**, 59, 18532-18536	16.4	12
76	Optical Investigation of On-Surface Synthesized Armchair Graphene Nanoribbons. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1700223	1.3	12
75	Bipolar resistive switching properties of Ti-CuO/(hexafluoro-hexa-peri-hexabenzocoronene)-Cu hybrid interface device: Influence of electronic nature of organic layer. *Journal of Applied Physics*, **2013**, 113, 203706	2.5	12
74	Synthesis of Triply Fused Porphyrin-Nanographene Conjugates. *Angewandte Chemie*, **2018**, 130, 11403-11407	3.6	11
73	Optical Imaging and Spectroscopy of Atomically Precise Armchair Graphene Nanoribbons. *Nano Letters*, **2020**, 20, 1124-1130	11.5	11
72	On-Surface Synthesis of Oligo(indenoindene). *Journal of the American Chemical Society*, **2020**, 142, 12925-12929	16.4	11
71	Synthesis, Photophysical Characterization, and Self-Assembly of Hexa-peri-hexabenzocoronene/Benzothiadiazole Donor-Acceptor Structure. *ChemPlusChem*, **2017**, 82, 1030-1033	2.8	10
70	Giant thermal expansion of a two-dimensional supramolecular network triggered by alkyl chain motion. *Communications Materials*, **2020**, 1, 8	6	10

69	Furan-containing double tetraoxa[7]helicene and its radical cation. *Chemical Communications*, **2020**, 56, 15181-15184	5.8	10
68	Photomodulation of Charge Transport in All-Semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. *Advanced Materials*, **2020**, 32, e2001268	24	9
67	On-Surface Dehydro-Diels-Alder Reaction of Dibromo-bis(phenylethynyl)benzene. *Journal of the American Chemical Society*, **2020**, 142, 1721-1725	16.4	9
66	On-surface Synthesis of a Chiral Graphene Nanoribbon with Mixed Edge Structure. *Chemistry - an Asian Journal*, **2020**, 15, 3807-3811	4.5	9
65	Overcoming Steric Hindrance in Aryl-Aryl Homocoupling via On-Surface Copolymerization. *ChemPhysChem*, **2019**, 20, 2360-2366	3.2	8
64	Color Sensitive Response of Graphene/Graphene Quantum Dot Phototransistors. *Journal of Physical Chemistry C*, **2019**, 123, 26490-26497	3.8	8
63	Solution-Processed Graphene-Nanographene van der Waals Heterostructures for Photodetectors with Efficient and Ultralong Charge Separation. *Journal of the American Chemical Society*, **2021**, 143, 17109-17116	16.4	8
62	S-Shaped Double Helicene Diimides: Synthesis, Self-Assembly, and Mechanofluorochromism. *Organic Letters*, **2021**, 23, 6183-6188	6.2	8
61	A TPD-based determination of the graphite interlayer cohesion energy. *Journal of Chemical Physics*, **2018**, 149, 194701	3.9	8
60	A Highly Luminescent Nitrogen-Doped Nanographene as an Acid- and Metal-Sensitive Fluorophore for Optical Imaging. *Journal of the American Chemical Society*, **2021**, 143, 10403-10412	16.4	8
59	Synthesis of Structurally Defined Nanographene Materials through Oxidative Cyclodehydrogenation **2017**, 183-228		7
58	Monitoring the On-Surface Synthesis of Graphene Nanoribbons by Mass Spectrometry. *Analytical Chemistry*, **2017**, 89, 7485-7492	7.8	7
57	Regioselective Hydrogenation of a 60-Carbon Nanographene Molecule toward a Circumbiphenyl Core. *Journal of the American Chemical Society*, **2019**, 141, 4230-4234	16.4	7
56	On-surface Synthesis of Graphene Nanoribbons through Solution-processing of Monomers. *Chemistry Letters*, **2017**, 46, 1476-1478	1.7	7
55	Synthesis and helical supramolecular organization of discotic liquid crystalline dibenzo[hi,st]ovalene. *Journal of Materials Chemistry C*, **2019**, 7, 12898-12906	7.1	6
54	Dimensional Confinement in Carbon-based Structures From 3D to 1D. *Annalen Der Physik*, **2017**, 529, 1700051	2.6	6
53	Size-dependent electron transfer from atomically defined nanographenes to metal oxide nanoparticles. *Nanoscale*, **2020**, 12, 16046-16052	7.7	6
52	Hexa--benzocoronene with two extra K-regions in an -configuration. *Chemical Science*, **2020**, 11, 12816-12821	9.4	6

51	On-Surface Synthesis of Dibenzohexacenohexacene and Dibenzopentaphenoheptaphene. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 997-999	5.1	6
50	Kinetic Ionic Permeation and Interfacial Doping of Supported Graphene. *Nano Letters*, **2019**, 19, 9029-9036	11.5	6
49	Chemisorption of Atomically Precise 42-Carbon Graphene Quantum Dots on Metal Oxide Films Greatly Accelerates Interfacial Electron Transfer. *Journal of Physical Chemistry Letters*, **2019**, 10, 1431-1436	6.4	5
48	Rigidification of Poly(-phenylene)s through -Phenyl Substitution. *Macromolecules*, **2020**, 53, 5756-5762	5.5	5
47	Hysteresis in graphene nanoribbon field-effect devices. *Physical Chemistry Chemical Physics*, **2020**, 22, 5667-5672	3.6	5
46	A Phenylene-Bridged Cyclohexa-meta-phenylene as Hexa-peri-hexabenzocoronene Precursor. *Chemistry - A European Journal*, **2018**, 24, 11908-11910	4.8	5
45	Multiwavelength Raman spectroscopy of ultranarrow nanoribbons made by solution-mediated bottom-up approach. *Physical Review B*, **2019**, 100,	3.3	5
44	Large polycyclic aromatic hydrocarbons for application in donor□cceptor photovoltaics. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 785-789	1.6	5
43	Photocrosslinking of Fullerene Vesicles that Prevents Phase Transition and Decreases Water Permeation. *Chemistry Letters*, **2013**, 42, 1176-1178	1.7	5
42	Spiers Memorial Lecture.□Carbon nanostructures by macromolecular design - from branched polyphenylenes to nanographenes and graphene nanoribbons. *Faraday Discussions*, **2021**, 227, 8-45	3.6	5
41	Small Size, Big Impact: Recent Progress in Bottom-Up Synthesized Nanographenes for Optoelectronic and Energy Applications.. *Advanced Science*, **2022**, e2106055	13.6	5
40	Graphene nanoribbons on hexagonal boron nitride: Deposition and transport characterization. *Applied Physics Letters*, **2019**, 114, 173101	3.4	4
39	Oligophenyls with Multiple Disulfide Bridges as Higher Homologues of Dibenzo[c,e][1,2]dithiin: Synthesis and Application in Lithium-Ion Batteries. *Chemistry - A European Journal*, **2020**, 26, 8007-8011	4.8	4
38	Oligomerization of Dehydrogenated Polycyclic Aromatic Hydrocarbons on Highly Oriented Pyrolytic Graphite. *Journal of Physical Chemistry C*, **2020**, 124, 8236-8246	3.8	4
37	Photocrosslinking of the Exterior of a Fullerene Bilayer that Prevents Vesicle Aggregation. *Chemistry Letters*, **2014**, 43, 877-879	1.7	4
36	Water-Soluble Nanoparticles with Twisted Double [7]Carbohelicene for Lysosome-Targeted Cancer Photodynamic Therapy. *Small*, **2021**, e2105365	11	4
35	Stepwise Lateral Extension of Phenyl-Substituted Linear Polyphenylenes. *Macromolecular Chemistry and Physics*, **2020**, 221, 1900374	2.6	4
34	Dicyclopentaannelated Hexa-peri-hexabenzocoronenes with a Singlet Biradical Ground State. *Angewandte Chemie - International Edition*, **2021**, 60, 11300-11304	16.4	4

33	Excited states engineering enables efficient near-infrared lasing in nanographenes. *Materials Horizons*, **2021**,	14.4	4
32	Large Polycyclic Aromatic Hydrocarbons as Graphene Quantum Dots: from Synthesis to Spectroscopy and Photonics. *Advanced Optical Materials*,2100508	8.1	4
31	A Nanographene-Based Two-Dimensional Covalent Organic Framework as a Stable and Efficient Photocatalyst. *Angewandte Chemie - International Edition*, **2021**,	16.4	4
30	Direct Metal-Free Chemical Vapor Deposition of Graphene Films on Insulating Substrates for Micro-Supercapacitors with High Volumetric Capacitance. *Batteries and Supercaps*, **2019**, 2, 929-933	5.6	3
29	Covalently Interlocked Cyclohexa-m-phenylenes and Their Assembly: En Route to Supramolecular 3D Carbon Nanostructures. *Angewandte Chemie - International Edition*, **2017**, 56, 10602-10606	16.4	3
28	Vibronic effect and influence of aggregation on the photophysics of graphene quantum dots.. *Nanoscale*, **2022**,	7.7	3
27	Nanographene: ultrastabile, schaltbare und helle Sonden f□ die hochaufl□sende Mikroskopie. *Angewandte Chemie*, **2020**, 132, 504-510	3.6	3
26	On-surface activation of benzylic C-H bonds for the synthesis of pentagon-fused graphene nanoribbons. *Nano Research*, **2021**, 14, 4754	10	3
25	Graphene nanoribbons with mixed cove-cape-zigzag edge structure. *Carbon*, **2021**, 175, 50-59	10.4	3
24	Evolution of the Topological Energy Band in Graphene Nanoribbons. *Journal of Physical Chemistry Letters*, **2021**, 12, 8679-8684	6.4	3
23	Protonenvermittelter Ringschluss eines negativ photochromen, Azulen-basierten Diarylethens. *Angewandte Chemie*, **2020**, 132, 18690-18695	3.6	2
22	Shape-Persistent Graphite Replica of Metal Wires. *Advanced Materials*, **2017**, 29, 1603732	24	2
21	Untying the Bundles of Solution-Synthesized Graphene Nanoribbons for Highly Capacitive Micro-Supercapacitors. *Advanced Functional Materials*,2109543	15.6	2
20	2D self-assembly and electronic characterization of oxygen-boron-oxygen-doped chiral graphene nanoribbons. *Chemical Communications*, **2021**, 57, 6031-6034	5.8	2
19	Charge Transport: Photomodulation of Charge Transport in All-Semiconducting 2D□1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect (Adv. Mater. 26/2020). *Advanced Materials*, **2020**, 32, 2070200	24	1
18	Kovalent gebundene, ineinander verkettete Cyclohexa-m-phenylene und ihre Selbstorganisation: Auf dem Weg zu supramolekularen 3D-Kohlenstoffnanostrukturen. *Angewandte Chemie*, **2017**, 129, 10738-10742	3.6	1
17	Tuning interfacial charge transfer in atomically precise nanographene-graphene heterostructures by engineering van der Waals interactions.. *Journal of Chemical Physics*, **2022**, 156, 074702	3.9	1
16	Synthesis and Characterization of Dibenzo[hi,st]ovalene as a Highly Fluorescent Polycyclic Aromatic Hydrocarbon and Its □Extension to Circumpyrene. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2020**, 78, 1094-1104	0.2	1

15	From Hexaphenylbenzene to 1,2,3,4,5,6-Hexacyclohexylcyclohexane. *Journal of the American Chemical Society*, **2020**, 142, 12916-12920	16.4	1
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