

Pascal Ruffieux

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158
papers

12,292
citations

48
h-index

109
g-index

172
ext. papers

14,541
ext. citations

10.8
avg, IF

6.16
L-index

#	Paper	IF	Citations
158	Atomically precise bottom-up fabrication of graphene nanoribbons. <i>Nature</i> , 2010 , 466, 470-3	50.4	2652
157	On-surface synthesis of graphene nanoribbons with zigzag edge topology. <i>Nature</i> , 2016 , 531, 489-92	50.4	859
156	Porous graphenes: two-dimensional polymer synthesis with atomic precision. <i>Chemical Communications</i> , 2009 , 6919-21	5.8	550
155	Graphene nanoribbon heterojunctions. <i>Nature Nanotechnology</i> , 2014 , 9, 896-900	28.7	443
154	Controlled synthesis of single-chirality carbon nanotubes. <i>Nature</i> , 2014 , 512, 61-4	50.4	424
153	Two-dimensional polymer formation on surfaces: insight into the roles of precursor mobility and reactivity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16669-76	16.4	407
152	Electronic structure of atomically precise graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 6930-5	16.7	339
151	On-Surface Synthesis of Atomically Precise Graphene Nanoribbons. <i>Advanced Materials</i> , 2016 , 28, 6222-34	31.4	320
150	Toward cove-edged low band gap graphene nanoribbons. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6097-103	16.4	234
149	Superlubricity of graphene nanoribbons on gold surfaces. <i>Science</i> , 2016 , 351, 957-61	33.3	227
148	Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018 , 560, 209-213	50.4	227
147	Short-channel field-effect transistors with 9-atom and 13-atom wide graphene nanoribbons. <i>Nature Communications</i> , 2017 , 8, 633	17.4	215
146	On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. <i>ACS Nano</i> , 2017 , 11, 1380-1388	16.7	196
145	Termini of bottom-up fabricated graphene nanoribbons. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2060-3	16.4	182
144	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
143	Giant edge state splitting at atomically precise graphene zigzag edges. <i>Nature Communications</i> , 2016 , 7, 11507	17.4	160
142	Hydrogen atoms cause long-range electronic effects on graphite. <i>Physical Review Letters</i> , 2000 , 84, 4910-34	7.4	148

141	Intraribbon heterojunction formation in ultranarrow graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 2020-5	16.7	147
140	Hydrogen adsorption on sp ² -bonded carbon: Influence of the local curvature. <i>Physical Review B</i> , 2002 , 66,	3.3	134
139	Surface-supported 2D heterotriangulene polymers. <i>Chemical Communications</i> , 2011 , 47, 10239-41	5.8	131
138	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. <i>Nature Communications</i> , 2014 , 5, 4253	17.4	121
137	Topological frustration induces unconventional magnetism in a nanographene. <i>Nature Nanotechnology</i> , 2020 , 15, 22-28	28.7	121
136	C ₆₀ /corannulene on Cu(110): a surface-supported bistable buckyball-buckyball host-guest system. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4767-71	16.4	103
135	Cyclotrimerization of arylalkynes on Au(111). <i>Chemical Communications</i> , 2014 , 50, 11200-3	5.8	96
134	Purely Armchair or Partially Chiral: Noncontact Atomic Force Microscopy Characterization of Dibromo-Bianthryl-Based Graphene Nanoribbons Grown on Cu(111). <i>ACS Nano</i> , 2016 , 10, 8006-11	16.7	86
133	AgO investigated by photoelectron spectroscopy: Evidence for mixed valence. <i>Physical Review B</i> , 2002 , 65,	3.3	86
132	Synthesis and Characterization of π -Extended Triangulene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10621-10625	16.4	85
131	On-Surface Growth Dynamics of Graphene Nanoribbons: The Role of Halogen Functionalization. <i>ACS Nano</i> , 2018 , 12, 74-81	16.7	85
130	Charge-density oscillation on graphite induced by the interference of electron waves. <i>Physical Review B</i> , 2005 , 71,	3.3	83
129	Formation of a regular fullerene nanochain lattice. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21394-8	3.4	82
128	Bottom-Up Synthesis of Metalated Carbyne. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1106-9	16.4	79
127	π -Conjugated heterotriangulene macrocycles by solution and surface-supported synthesis toward honeycomb networks. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4550-7	16.4	78
126	Self-assembly of chiral molecular honeycomb networks on Au(111). <i>Journal of the American Chemical Society</i> , 2008 , 130, 8910-2	16.4	78
125	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9104-9107	16.4	77
124	Quantum Dots in Graphene Nanoribbons. <i>Nano Letters</i> , 2017 , 17, 4277-4283	11.5	74

123	Revealing the Electronic Structure of Silicon Intercalated Armchair Graphene Nanoribbons by Scanning Tunneling Spectroscopy. <i>Nano Letters</i> , 2017 , 17, 2197-2203	11.5	72
122	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	16.4	69
121	Tailoring Bond Topologies in Open-Shell Graphene Nanostructures. <i>ACS Nano</i> , 2018 , 12, 11917-11927	16.7	69
120	Electronic band dispersion of graphene nanoribbons via Fourier-transformed scanning tunneling spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	68
119	Resolving Atomic Connectivity in Graphene Nanostructure Junctions. <i>Nano Letters</i> , 2015 , 15, 5185-90	11.5	66
118	Photoelectron emission from nitrogen- and boron-doped diamond (100) surfaces. <i>Surface Science</i> , 1998 , 417, 41-52	1.8	66
117	On-Surface Synthesis of Heptacene Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11658-11661	16.4	65
116	On-Surface Synthesis of BN-Substituted Heteroaromatic Networks. <i>ACS Nano</i> , 2015 , 9, 9228-35	16.7	64
115	On-surface light-induced generation of higher acenes and elucidation of their open-shell character. <i>Nature Communications</i> , 2019 , 10, 861	17.4	63
114	On-surface synthesis of a nitrogen-embedded buckybowl with inverse Stone-Thrower-Wales topology. <i>Nature Communications</i> , 2018 , 9, 1714	17.4	63
113	Tailoring molecular self-organization by chemical synthesis: Hexaphenylbenzene, hexa-peri-hexabenzocoronene, and derivatives on Cu (111). <i>Physical Review B</i> , 2005 , 71,	3.3	57
112	On-Surface Cyclization of ortho-Dihalotetracenes to Four- and Six-Membered Rings. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17617-17623	16.4	52
111	Surface-Synthesized Graphene Nanoribbons for Room Temperature Switching Devices: Substrate Transfer and ex Situ Characterization. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2184-2192	5.6	49
110	Topological Defect-Induced Magnetism in a Nanographene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1147-1152	16.4	48
109	Open-Shell Nonbenzenoid Nanographenes Containing Two Pairs of Pentagonal and Heptagonal Rings. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12011-12020	16.4	47
108	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	16.4	44
107	Complex interplay and hierarchy of interactions in two-dimensional supramolecular assemblies. <i>ACS Nano</i> , 2011 , 5, 457-69	16.7	44
106	Mapping the electronic surface potential of nanostructured surfaces. <i>Physical Review Letters</i> , 2009 , 102, 086807	7.4	44

105	Supramolecular columns of hexabenzocoronenes on copper and gold (111) surfaces. <i>Physical Review B</i> , 2002 , 66,	3.3	44
104	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. <i>Carbon</i> , 2019 , 146, 36-43	10.4	43
103	Collective All-Carbon Magnetism in Triangulene Dimers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12041-12047	16.4	43
102	Modifying the electronic structure of semiconducting single-walled carbon nanotubes by Ar ⁺ ion irradiation. <i>Physical Review B</i> , 2009 , 79,	3.3	41
101	On-Surface Synthesis of Indenofluorene Polymers by Oxidative Five-Membered Ring Formation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3532-3536	16.4	40
100	Hydrogen chemisorption on sp ² -bonded carbon: Influence of the local curvature and local electronic effects. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 975-980	2.6	40
99	High vacuum synthesis and ambient stability of bottom-up graphene nanoribbons. <i>Nanoscale</i> , 2017 , 9, 2785-2792	7.7	39
98	On-surface synthesis and characterization of individual polyacetylene chains. <i>Nature Chemistry</i> , 2019 , 11, 924-930	17.6	39
97	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7726-7730	16.4	39
96	Carbon Nanotubes for Cold Electron Sources. <i>Advanced Engineering Materials</i> , 2003 , 5, 541-550	3.5	37
95	Surface chirality of CuO thin films. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14103-8	16.4	36
94	Takayasu arteritis and cutaneous necrotizing vasculitis. <i>Dermatology</i> , 2000 , 200, 139-43	4.4	36
93	On-Surface Synthesis of Antiaromatic and Open-Shell Indeno[2,1-]fluorene Polymers and Their Lateral Fusion into Porous Ribbons. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12346-12354	16.4	34
92	Bowl inversion of surface-adsorbed sumanene. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13666-13671	6.71	33
91	Looking inside an endohedral fullerene: Inter- and intramolecular ordering of Dy ₃ N@C ₈₀ (Ih) on Cu(111). <i>Physical Review B</i> , 2009 , 80,	3.3	33
90	Graphene Nanoribbons Derived from Zigzag Edge-Encased Poly(para-2,9-dibenzo[bc, kl]corononylene) Polymer Chains. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2843-2846	16.4	32
89	Creation of paired electron states in the gap of semiconducting carbon nanotubes by correlated hydrogen adsorption. <i>New Journal of Physics</i> , 2007 , 9, 275-275	2.9	31
88	An aromatic coupling motif for two-dimensional supramolecular architectures. <i>Chemical Communications</i> , 2008 , 4555-7	5.8	28

87	Livedo-like dermatitis (Nicolau's syndrome): a review of three cases. <i>Dermatology</i> , 1996 , 193, 368-71	4.4	28
86	Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. <i>Nature Chemistry</i> , 2021 , 13, 581-586	17.6	28
85	Experimental determination of the transmission factor for the Omicron EA125 electron analyzer. <i>Review of Scientific Instruments</i> , 2000 , 71, 3634	1.7	27
84	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	16.4	26
83	C60 on strain-relief patterns of AgPt(111): Film orientation governed by template superstructure. <i>Physical Review B</i> , 2006 , 74,	3.3	25
82	Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. <i>Nano Letters</i> , 2020 , 20, 6429-6436	11.5	25
81	Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. <i>Advanced Materials</i> , 2020 , 32, e1906054	24	24
80	Fabrication of a well-ordered nanohole array stable at room temperature. <i>Nano Letters</i> , 2008 , 8, 2035-40	11.5	23
79	On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1334-1339	16.4	23
78	On-Surface Hydrogen-Induced Covalent Coupling of Polycyclic Aromatic Hydrocarbons via a Superhydrogenated Intermediate. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3550-3557	16.4	23
77	Controlled Quantum Dot Formation in Atomically Engineered Graphene Nanoribbon Field-Effect Transistors. <i>ACS Nano</i> , 2020 , 14, 5754-5762	16.7	22
76	Site- and orientation-selective anchoring of a prototypical molecular building block. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5007-11	16.4	22
75	Building Pentagons into Graphenic Structures by On-Surface Polymerization and Aromatic Cyclodehydrogenation of Phenyl-Substituted Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17588-17593	3.8	21
74	Positional and Orientational Templating of C60 Molecules on the Ag/Pt(111) Strain-Relief Pattern. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5292-5299	3.8	21
73	Observation of fractional edge excitations in nanographene spin chains. <i>Nature</i> , 2021 , 598, 287-292	50.4	21
72	Scanning tunneling microscopy investigations of hydrogen plasma-induced electron scattering centers on single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 90, 013104	3.4	20
71	Chiral Biphenyldicarboxylic Acid Networks Stabilized by Hydrogen Bonding. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6646-6649	3.8	19
70	On-Surface Synthesis and Characterization of Acene-Based Nanoribbons Incorporating Four-Membered Rings. <i>Chemistry - A European Journal</i> , 2019 , 25, 12074-12082	4.8	18

69	Stability of edge magnetism in functionalized zigzag graphene nanoribbons. <i>Carbon</i> , 2017 , 124, 123-132	10.4	18
68	Electron scattering in intranotube quantum dots. <i>Physical Review Letters</i> , 2009 , 102, 245505	7.4	18
67	Stabilization of bimolecular islands on ultrathin NaCl films by a vicinal substrate. <i>Surface Science</i> , 2009 , 603, 2294-2299	1.8	18
66	Living on the edge: A nanographene molecule adsorbed across gold step edges. <i>Surface Science</i> , 2008 , 602, L84-L88	1.8	18
65	Low-temperature scanning tunneling spectroscopy on the 5-fold surface of the icosahedral AlPdMn quasicrystal. <i>Philosophical Magazine</i> , 2006 , 86, 781-787	1.6	18
64	Topical haemotherapy for leg ulcers. <i>Dermatology</i> , 1994 , 189, 418-20	4.4	18
63	Self-assembly of extended polycyclic aromatic hydrocarbons on Cu111. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11253-8	3.4	17
62	Probing optical excitations in chevron-like armchair graphene nanoribbons. <i>Nanoscale</i> , 2017 , 9, 18326-18333	7.7	16
61	Large-Cavity Coronoids with Different Inner and Outer Edge Structures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12046-12050	16.4	16
60	Hydrogen-bonding fingerprints in electronic States of two-dimensional supramolecular assemblies. <i>ChemPhysChem</i> , 2009 , 10, 2943-6	3.2	16
59	Template-Directed Molecular Nanostructures on the Ag/Pt(111) Dislocation Network. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8407-8411	3.8	16
58	A Universal Length-Dependent Vibrational Mode in Graphene Nanoribbons. <i>ACS Nano</i> , 2019 , 13, 13083-13091	13.9	15
57	Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye. <i>Organic Electronics</i> , 2013 , 14, 1787-1792	3.5	15
56	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	16.4	15
55	Synthesis and characterization of [7]triangulene. <i>Nanoscale</i> , 2021 , 13, 1624-1628	7.7	15
54	Electronic characterization of silicon intercalated chevron graphene nanoribbons on Au(111). <i>Chemical Communications</i> , 2018 , 54, 1619-1622	5.8	14
53	Stable ferromagnetism and doping-induced half-metallicity in asymmetric graphene nanoribbons. <i>Physical Review B</i> , 2012 , 85,	3.3	14
52	Long-term assessment of chronic leg ulcer treatment by autologous skin grafts. <i>Dermatology</i> , 1997 , 195, 77-80	4.4	14

51	On-surface synthesis of polyazulene with 2,6-connectivity. <i>Chemical Communications</i> , 2019 , 55, 13466-13469	3.8	14
50	Optimized Substrates and Measurement Approaches for Raman Spectroscopy of Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1900343	1.3	13
49	Defect-induced negative differential resistance in single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2008 , 93, 073115	3.4	13
48	Scanning tunnelling microscopy with atomic resolution on the twofold surface of the icosahedral AlPdMn quasicrystal. <i>Philosophical Magazine</i> , 2006 , 86, 773-779	1.6	13
47	Formation of Al ₄ Cu ₉ on the 5 fold Surface of Icosahedral AlPdMn. <i>Advanced Engineering Materials</i> , 2005 , 7, 392-396	3.5	13
46	Optical Investigation of On-Surface Synthesized Armchair Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700223	1.3	12
45	Prospects and Limitations of Carbon Nanotube Field Emission Electron Sources. <i>Chimia</i> , 2002 , 56, 553-561	3.1	12
44	Diaper dermatitis due to <i>Trichophyton verrucosum</i> . <i>Pediatric Dermatology</i> , 1993 , 10, 368-9	1.9	12
43	Inducing Open-Shell Character in Porphyrins through Surface-Assisted Phenalenyl Extension. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18109-18117	16.4	12
42	Impact of heterocirculene molecular symmetry upon two-dimensional crystallization. <i>Scientific Reports</i> , 2014 , 4, 5415	4.9	11
41	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	16.4	11
40	Negatively Curved Warped Nanographene Self-Assembled on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13158-13164	16.4	11
39	Optical Imaging and Spectroscopy of Atomically Precise Armchair Graphene Nanoribbons. <i>Nano Letters</i> , 2020 , 20, 1124-1130	11.5	11
38	On-Surface Synthesis of Oligo(indenoindene). <i>Journal of the American Chemical Society</i> , 2020 , 142, 12925-12929	16.4	11
37	Band Gap of Atomically Precise Graphene Nanoribbons as a Function of Ribbon Length and Termination. <i>ChemPhysChem</i> , 2019 , 20, 2348-2353	3.2	10
36	A comparative scanning tunneling spectroscopy investigation of the (12110)-surface of decagonal AlNiCo and the (100)-surface of its approximant YAlNiCo. <i>New Journal of Physics</i> , 2010 , 12, 073043	2.9	10
35	Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111). <i>Physical Review B</i> , 2012 , 86,	3.3	10
34	On-surface synthesis of super-heptazethrene. <i>Chemical Communications</i> , 2020 , 56, 7467-7470	5.8	9

33	On-Surface Dehydro-Diels-Alder Reaction of Dibromo-bis(phenylethynyl)benzene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1721-1725	16.4	9
32	On-surface Synthesis of a Chiral Graphene Nanoribbon with Mixed Edge Structure. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3807-3811	4.5	9
31	Detachment Dynamics of Graphene Nanoribbons on Gold. <i>ACS Nano</i> , 2019 , 13, 689-697	16.7	9
30	Overcoming Steric Hindrance in Aryl-Aryl Homocoupling via On-Surface Copolymerization. <i>ChemPhysChem</i> , 2019 , 20, 2360-2366	3.2	8
29	On-Surface Synthesis of Cumulene-Containing Polymers via Two-Step Dehalogenative Homocoupling of Dibromomethylene-Functionalized Tribenzoazulene. <i>Angewandte Chemie</i> , 2020 , 132, 13383-13389	3.6	8
28	Strain-relief pattern as guide for the formation of surface-supported bimolecular nanoribbons. <i>Applied Physics Letters</i> , 2009 , 95, 143111	3.4	8
27	s-orbital continuum model accounting for the tip shape in simulated scanning tunneling microscope images. <i>Physical Review B</i> , 2011 , 84,	3.3	8
26	Collective All-Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie</i> , 2020 , 132, 12139-12145	3.6	8
25	Monitoring the On-Surface Synthesis of Graphene Nanoribbons by Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 7485-7492	7.8	7
24	On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie</i> , 2020 , 132, 1350-1355	3.6	7
23	On-Surface Synthesis of Dibenzohexaceno-hexacene and Dibenzopentaphenoheptaphene. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 997-999	5.1	6
22	Optimized graphene electrodes for contacting graphene nanoribbons. <i>Carbon</i> , 2021 , 184, 331-339	10.4	6
21	Phase separation in the vicinity of Fermi surface hot spots. <i>Physical Review B</i> , 2019 , 100,	3.3	5
20	(2 × 1)-Na surface reconstruction induced by NaCl dissociation on Ag(1 1 0) during LEED analysis. <i>Applied Surface Science</i> , 2006 , 252, 6368-6374	6.7	5
19	Quantum electronic transport across Bite-defects in graphene nanoribbons. <i>2D Materials</i> , 2021 , 8, 035025	5.9	5
18	Extensive fixed drug eruption induced by oxazepam. <i>Archives of Dermatology</i> , 1996 , 132, 718		4
17	Edge Disorder in Bottom-Up Zigzag Graphene Nanoribbons: Implications for Magnetism and Quantum Electronic Transport. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4692-4696	6.4	4
16	Nucleation and growth of C60overlayers on the Ag/Pt(111) dislocation network surface. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 16-21	0.3	3

15	On-surface synthesis and characterization of nitrogen-substituted undecacenes.. <i>Nature Communications</i> , 2022 , 13, 511	17.4	3
14	Lightwave-driven scanning tunnelling spectroscopy of atomically precise graphene nanoribbons. <i>Nature Communications</i> , 2021 , 12, 6794	17.4	3
13	On-surface activation of benzylic C-H bonds for the synthesis of pentagon-fused graphene nanoribbons. <i>Nano Research</i> , 2021 , 14, 4754	10	3
12	Graphene nanoribbons with mixed cove-cape-zigzag edge structure. <i>Carbon</i> , 2021 , 175, 50-59	10.4	3
11	Bottom-up Fabrication and Atomic-Scale Characterization of Triply Linked, Laterally π -Extended Porphyrin Nanotapes*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16208-16214	16.4	3
10	Evolution of the Topological Energy Band in Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8679-8684	6.4	3
9	The H ₂ plasma treatment of silver contacts: Impact on wire-bonding performance. <i>Journal of Electronic Materials</i> , 2002 , 31, 1316-1320	1.9	2
8	On-Surface Synthesis and Characterization of Super-nonazethrene. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8314-8319	6.4	2
7	Creation and STM/STS investigations of hydrogen ions induced defects on single-walled carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 160-165	0.3	1
6	Exploring Intramolecular Methyl-Methyl Coupling on a Metal Surface for Edge-Extended Graphene Nanoribbons. <i>Organic Materials</i> , 2021 , 03, 128-133	1.9	1
5	Magnetic Interplay between π -Electrons of Open-Shell Porphyrins and d-Electrons of Their Central Transition Metal Ions.. <i>Advanced Science</i> , 2022 , e2105906	13.6	1
4	Innenrücktitelbild: On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids (Angew. Chem. 3/2020). <i>Angewandte Chemie</i> , 2020 , 132, 1371-1371	3.6	0
3	Bottom-up Fabrication and Atomic-Scale Characterization of Triply Linked, Laterally π -Extended Porphyrin Nanotapes**. <i>Angewandte Chemie</i> , 2021 , 133, 16344-16350	3.6	0
2	On-surface synthesis of π -conjugated ladder-type polymers comprising nonbenzenoid moieties. <i>RSC Advances</i> , 2021 , 11, 23437-23441	3.7	0
1	Inside Cover: Hydrogen-Bonding Fingerprints in Electronic States of Two-Dimensional Supramolecular Assemblies (ChemPhysChem 17/2009). <i>ChemPhysChem</i> , 2009 , 10, 2906-2906	3.2	