

Roman Fasel

List of Publications by Year in descending order

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221
papers

19,729
citations

14614

66
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11899

134
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231
docs citations

231
times ranked

13466
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomically precise bottom-up fabrication of graphene nanoribbons. <i>Nature</i> , 2010, 466, 470-473.	13.7	3,144
2	On-surface synthesis of graphene nanoribbons with zigzag edge topology. <i>Nature</i> , 2016, 531, 489-492.	13.7	1,154
3	Porous graphenes: two-dimensional polymer synthesis with atomic precision. <i>Chemical Communications</i> , 2009, , 6919.	2.2	610
4	Graphene nanoribbon heterojunctions. <i>Nature Nanotechnology</i> , 2014, 9, 896-900.	15.6	528
5	Controlled synthesis of single-chirality carbon nanotubes. <i>Nature</i> , 2014, 512, 61-64.	13.7	511
6	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, 16669-16676.	6.6	449
7	Electronic Structure of Atomically Precise Graphene Nanoribbons. <i>ACS Nano</i> , 2012, 6, 6930-6935.	7.3	410
8	On-Surface Synthesis of Atomically Precise Graphene Nanoribbons. <i>Advanced Materials</i> , 2016, 28, 6222-6231.	11.1	410
9	Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018, 560, 209-213.	13.7	397
10	Surface-assisted cyclodehydrogenation provides a synthetic route towards easily processable and chemically tailored nanographenes. <i>Nature Chemistry</i> , 2011, 3, 61-67.	6.6	395
11	Amplification of chirality in two-dimensional enantiomorphous lattices. <i>Nature</i> , 2006, 439, 449-452.	13.7	376
12	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	2.0	333
13	Porous Graphene as an Atmospheric Nanofilter. <i>Small</i> , 2010, 6, 2266-2271.	5.2	325
14	Short-channel field-effect transistors with 9-atom and 13-atom wide graphene nanoribbons. <i>Nature Communications</i> , 2017, 8, 633.	5.8	312
15	Superlubricity of graphene nanoribbons on gold surfaces. <i>Science</i> , 2016, 351, 957-961.	6.0	302
16	Toward Cove-Edged Low Band Gap Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2015, 137, 6097-6103.	6.6	299
17	On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. <i>ACS Nano</i> , 2017, 11, 1380-1388.	7.3	270
18	Topological frustration induces unconventional magnetism in a nanographene. <i>Nature Nanotechnology</i> , 2020, 15, 22-28.	15.6	227

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19	Termini of Bottom-Up Fabricated Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2013, 135, 2060-2063.	6.6	214
20	Giant edge state splitting at atomically precise graphene zigzag edges. <i>Nature Communications</i> , 2016, 7, 11507.	5.8	207
21	Chirality Transfer from Single Molecules into Self-Assembled Monolayers. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5178-5181.	7.2	192
22	Intraribbon Heterojunction Formation in Ultranarrow Graphene Nanoribbons. <i>ACS Nano</i> , 2012, 6, 2020-2025.	7.3	169
23	Synthesis and Characterization of π -Extended Triangulene. <i>Journal of the American Chemical Society</i> , 2019, 141, 10621-10625.	6.6	165
24	Self-Assembly of Periodic Bicomponent Wires and Ribbons. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1814-1818.	7.2	155
25	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. <i>Nature Communications</i> , 2014, 5, 4253.	5.8	155
26	Fabrication of Surface-Supported Low-Dimensional Polyimide Networks. <i>Journal of the American Chemical Society</i> , 2008, 130, 14054-14055.	6.6	151
27	Surface-supported 2D heterotriangulene polymers. <i>Chemical Communications</i> , 2011, 47, 10239.	2.2	147
28	Self-assembly and conformation of tetrapyrrolyl-porphyrin molecules on Ag(111). <i>Journal of Chemical Physics</i> , 2006, 124, 194708.	1.2	144
29	On-Surface Growth Dynamics of Graphene Nanoribbons: The Role of Halogen Functionalization. <i>ACS Nano</i> , 2018, 12, 74-81.	7.3	135
30	Anisotropy of Quasiparticle Lifetimes and the Role of Disorder in Graphite from Ultrafast Time-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2001, 87, 267402.	2.9	126
31	Tailoring Bond Topologies in Open-Shell Graphene Nanostructures. <i>ACS Nano</i> , 2018, 12, 11917-11927.	7.3	118
32	Observation of fractional edge excitations in nanographene spin chains. <i>Nature</i> , 2021, 598, 287-292.	13.7	115
33	On-surface light-induced generation of higher acenes and elucidation of their open-shell character. <i>Nature Communications</i> , 2019, 10, 861.	5.8	114
34	Open-Shell Nonbenzenoid Nanographenes Containing Two Pairs of Pentagonal and Heptagonal Rings. <i>Journal of the American Chemical Society</i> , 2019, 141, 12011-12020.	6.6	112
35	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, 8006-8011.	7.3	111
36	Orientation of Adsorbed C ₆₀ Molecules Determined via X-Ray Photoelectron Diffraction. <i>Physical Review Letters</i> , 1996, 76, 4733-4736.	2.9	110

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37	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2018, 140, 9104-9107.	6.6	110
38	C ₆₀ /Corannulene on Cu(110): A Surface-Supported Bistable Buckybowl-Buckyball Host-Guest System. <i>Journal of the American Chemical Society</i> , 2008, 130, 4767-4771.	6.6	109
39	Topological Defect-Induced Magnetism in a Nanographene. <i>Journal of the American Chemical Society</i> , 2020, 142, 1147-1152.	6.6	106
40	Bottom-Up Synthesis of Metalated Carbyne. <i>Journal of the American Chemical Society</i> , 2016, 138, 1106-1109.	6.6	104
41	Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. <i>Nature Chemistry</i> , 2021, 13, 581-586.	6.6	104
42	Cyclotrimerization of arylalkynes on Au(111). <i>Chemical Communications</i> , 2014, 50, 11200-11203.	2.2	103
43	Fermi surface mapping with photoelectrons at UV energies. <i>Surface Science</i> , 1994, 307-309, 917-921.	0.8	99
44	Quantum Dots in Graphene Nanoribbons. <i>Nano Letters</i> , 2017, 17, 4277-4283.	4.5	99
45	On-surface synthesis of a nitrogen-embedded buckybowl with inverse Stone-Thrower-Wales topology. <i>Nature Communications</i> , 2018, 9, 1714.	5.8	98
46	Collective All-Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12041-12047.	7.2	96
47	Revealing the Electronic Structure of Silicon Intercalated Armchair Graphene Nanoribbons by Scanning Tunneling Spectroscopy. <i>Nano Letters</i> , 2017, 17, 2197-2203.	4.5	92
48	Charge-carrier dynamics in single-wall carbon nanotube bundles: a time-domain study. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 449-465.	1.1	88
49	Self-Assembly of Chiral Molecular Honeycomb Networks on Au(111). <i>Journal of the American Chemical Society</i> , 2008, 130, 8910-8912.	6.6	88
50	π-Conjugated Heterotriangulene Macrocycles by Solution and Surface-supported Synthesis toward Honeycomb Networks. <i>Journal of the American Chemical Society</i> , 2013, 135, 4550-4557.	6.6	88
51	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
52	Formation of a Regular Fullerene Nanochain Lattice. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21394-21398.	1.2	87
53	Electronic band dispersion of graphene nanoribbons via Fourier-transformed scanning tunneling spectroscopy. <i>Physical Review B</i> , 2015, 91, .	1.1	85
54	On-Surface Synthesis of Heptacene Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 11658-11661.	6.6	83

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55	Buckybowls on Metal Surfaces: Symmetry Mismatch and Enantiomorphism of Corannulene on Cu(110). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8258-8261.	7.2	81
56	Orientation of chiral heptahelicene C ₃₀ H ₁₈ on copper surfaces: An x-ray photoelectron diffraction study. <i>Journal of Chemical Physics</i> , 2001, 115, 1020-1027.	1.2	78
57	On-Surface Synthesis of BN-Substituted Heteroaromatic Networks. <i>ACS Nano</i> , 2015, 9, 9228-9235.	7.3	78
58	Surface-Synthesized Graphene Nanoribbons for Room Temperature Switching Devices: Substrate Transfer and <i>in situ</i> Characterization. <i>ACS Applied Nano Materials</i> , 2019, 2, 2184-2192.	2.4	75
59	Homochiral Conglomerates and Racemic Crystals in Two Dimensions: Tartaric Acid on Cu(110). <i>Chemistry - A European Journal</i> , 2005, 11, 4149-4154.	1.7	71
60	Resolving Atomic Connectivity in Graphene Nanostructure Junctions. <i>Nano Letters</i> , 2015, 15, 5185-5190.	4.5	71
61	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.	6.6	71
62	Two-dimensional separation of [7]helicene enantiomers on Cu(111). <i>Chirality</i> , 2001, 13, 675-678.	1.3	70
63	Coverage and Enantiomeric Excess Dependent Enantiomorphism in Two-Dimensional Molecular Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 1890-1896.	1.4	70
64	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. <i>Carbon</i> , 2019, 146, 36-43.	5.4	70
65	Microscopic origin of chiral shape induction in achiral crystals. <i>Nature Chemistry</i> , 2016, 8, 326-330.	6.6	68
66	On-Surface Cyclization of <i>ortho</i> -Dihalotetracenes to Four- and Six-Membered Rings. <i>Journal of the American Chemical Society</i> , 2017, 139, 17617-17623.	6.6	68
67	Angle-scanned photoelectron diffraction. <i>Surface Science</i> , 1995, 331-333, 1002-1014.	0.8	67
68	<i>k</i> -Space Mapping of Majority and Minority Bands on the Fermi Surface of Nickel below and above the Curie Temperature. <i>Physical Review Letters</i> , 1996, 76, 1150-1153.	2.9	67
69	On-surface synthesis and characterization of individual polyacetylene chains. <i>Nature Chemistry</i> , 2019, 11, 924-930.	6.6	67
70	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. <i>Journal of Chemical Physics</i> , 2006, 125, 184710.	1.2	66
71	Surface science at the PEARL beamline of the Swiss Light Source. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 354-366.	1.0	66
72	Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. <i>Nano Letters</i> , 2020, 20, 6429-6436.	4.5	64

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73	Binding and ordering of C60 on Pd(110): Investigations at the local and mesoscopic scale. <i>Journal of Chemical Physics</i> , 2001, 115, 9001-9009.	1.2	63
74	Synthesis and characterization of [7]triangulene. <i>Nanoscale</i> , 2021, 13, 1624-1628.	2.8	62
75	Determination of the Absolute Chirality of Adsorbed Molecules. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2853-2856.	7.2	61
76	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.	6.6	61
77	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7726-7730.	6.6	61
78	On-Surface Synthesis of Indenofluorene Polymers by Oxidative Five-Membered Ring Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 3532-3536.	6.6	60
79	Local structure of $c(2\sqrt{2})$ -Na on Al(001): Experimental evidence for the coexistence of intermixing and on-surface adsorption. <i>Physical Review B</i> , 1994, 50, 14516-14524.	1.1	59
80	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.	6.6	58
81	Scanning tunneling microscopy and x-ray photoelectron diffraction investigation of C60 films on Cu(100). <i>Physical Review B</i> , 2003, 67, .	1.1	56
82	Molecular imaging of polyimide formation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1209.	1.3	55
83	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.	6.6	53
84	Theoretical analysis of the electronic structure of the stable and metastable $c(2\sqrt{2})$ phases of Na on Al(001): Comparison with angle-resolved ultraviolet photoemission spectra. <i>Physical Review B</i> , 1998, 57, 15251-15260.	1.1	52
85	Chiral Recognition in Surface Explosion. <i>Journal of the American Chemical Society</i> , 2004, 126, 9176-9177.	6.6	52
86	High vacuum synthesis and ambient stability of bottom-up graphene nanoribbons. <i>Nanoscale</i> , 2017, 9, 2785-2792.	2.8	52
87	Mapping the Electronic Surface Potential of Nanostructured Surfaces. <i>Physical Review Letters</i> , 2009, 102, 086807.	2.9	51
88	Interplay between electron-electron interaction and electron-phonon coupling near the Fermi surface of $1T\text{-TaS}_2$. <i>Physical Review B</i> , 2000, 62, 4277-4287.	1.1	48
89	Complex Interplay and Hierarchy of Interactions in Two-Dimensional Supramolecular Assemblies. <i>ACS Nano</i> , 2011, 5, 457-469.	7.3	48
90	X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces. <i>Surface Science</i> , 1994, 312, 131-142.	0.8	47

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91	Final-state scattering in angle-resolved ultraviolet photoemission from copper. <i>Physical Review B</i> , 1996, 53, 10209-10216.	1.1	47
92	On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1334-1339.	7.2	47
93	Surface Chirality of CuO Thin Films. <i>Journal of the American Chemical Society</i> , 2006, 128, 14103-14108.	6.6	46
94	Controlled Quantum Dot Formation in Atomically Engineered Graphene Nanoribbon Field-Effect Transistors. <i>ACS Nano</i> , 2020, 14, 5754-5762.	7.3	46
95	The role of van der Waals interactions in surface-supported supramolecular networks. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 992-999.	1.3	44
96	Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. <i>Advanced Materials</i> , 2020, 32, e1906054.	11.1	44
97	Inducing Open-Shell Character in Porphyrins through Surface-Assisted Phenalenyl π -Extension. <i>Journal of the American Chemical Society</i> , 2020, 142, 18109-18117.	6.6	41
98	Graphene Nanoribbons Derived from Zigzag Edge-Encased Poly(<i>para</i> -2,9-dibenzo[<i>bc</i>]-coronene) Polymer Chains. <i>Journal of the American Chemical Society</i> , 2019, 141, 2843-2846.	6.6	40
99	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.	6.6	40
100	Looking inside an endohedral fullerene: Inter- and intramolecular ordering of D_{3h}		

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109	Coexisting inequivalent orientations of C ₆₀ on Ag(001). <i>Physical Review B</i> , 2001, 63, .	1.1	35
110	O adsorption and incipient oxidation of the Mg(0001) surface. <i>Physical Review B</i> , 2004, 69, .	1.1	33
111	Tailoring Low-Dimensional Organic Semiconductor Nanostructures. <i>Nano Letters</i> , 2009, 9, 126-131.	4.5	33
112	Combinatorial design of molecular seeds for chirality-controlled synthesis of single-walled carbon nanotubes. <i>Nature Communications</i> , 2019, 10, 3278.	5.8	32
113	Adsorption of helical aromatic molecules: heptahelicene on Ni(). <i>Surface Science</i> , 2003, 530, 195-202.	0.8	31
114	On-surface polyarylene synthesis by cycloaromatization of isopropyl substituents. , 2022, 1, 289-296.		31
115	Evolution of the Topological Energy Band in Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8679-8684.	2.1	30
116	Optimized graphene electrodes for contacting graphene nanoribbons. <i>Carbon</i> , 2021, 184, 331-339.	5.4	30
117	Holographic interpretation of photoelectron diffraction. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 68, 1-18.	0.8	29
118	ALKALI-METAL ADSORPTION GEOMETRIES ON METAL SURFACES FROM PHOTOELECTRON-DIFFRACTION EXPERIMENTS. <i>Surface Review and Letters</i> , 1995, 02, 359-386.	0.5	29
119	An aromatic coupling motif for two-dimensional supramolecular architectures. <i>Chemical Communications</i> , 2008, , 4555.	2.2	29
120	On-Surface Synthesis of Oligo(indenoindene). <i>Journal of the American Chemical Society</i> , 2020, 142, 12925-12929.	6.6	29
121	Lightwave-driven scanning tunnelling spectroscopy of atomically precise graphene nanoribbons. <i>Nature Communications</i> , 2021, 12, 6794.	5.8	29
122	Surface atomic structure of c(2 $\sqrt{3}$ ×2)-Si on Cu(110). <i>Physical Review B</i> , 1997, 55, 12896-12898.	1.1	28
123	Angle-scanned photoemission: Fermi surface mapping and structural determination. <i>Surface Science</i> , 1998, 402-404, 614-622.	0.8	27
124	C ₆₀ on strain-relief patterns of Ag/Pt(111): Film orientation governed by template superstructure. <i>Physical Review B</i> , 2006, 74, .	1.1	27
125	On-surface synthesis of singly and doubly porphyrin-capped graphene nanoribbon segments. <i>Chemical Science</i> , 2021, 12, 247-252.	3.7	27
126	On-Surface Synthesis of Dibenzohexaceno[6]acene and Dibenzopentaphenoheptaphene. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 997-999.	2.0	27

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127	Optimized Substrates and Measurement Approaches for Raman Spectroscopy of Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900343.	0.7	26
128	On-surface synthesis and characterization of nitrogen-substituted undecacenes. <i>Nature Communications</i> , 2022, 13, 511.	5.8	26
129	Fabrication of a Well-Ordered Nanohole Array Stable at Room Temperature. <i>Nano Letters</i> , 2008, 8, 2035-2040.	4.5	25
130	Bottom-Up Fabrication and Atomic-Scale Characterization of Triply Linked, Laterally Extended Porphyrin Nanotapes**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16208-16214.	7.2	25
131	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.	1.5	24
132	Doping-induced reorientation of C ₆₀ molecules on Ag(111). <i>Physical Review B</i> , 2005, 72, .	1.1	23
133	Site- and Orientation-Selective Anchoring of a Prototypical Molecular Building Block. <i>Journal of the American Chemical Society</i> , 2007, 129, 5007-5011.	6.6	23
134	On-surface synthesis of polyazulene with 2,6-connectivity. <i>Chemical Communications</i> , 2019, 55, 13466-13469.	2.2	23
135	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.	7.2	23
136	Collective All-Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie</i> , 2020, 132, 12139-12145.	1.6	23
137	Self-Assembly of Extended Polycyclic Aromatic Hydrocarbons on Cu(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 11253-11258.	1.2	22
138	Positional and Orientational Templating of C ₆₀ Molecules on the Ag/Pt(111) Strain-Relief Pattern. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5292-5299.	1.5	22
139	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.	2.1	22
140	On-Surface Synthesis and Characterization of Super-nonazethrene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8314-8319.	2.1	22
141	Direct structural information from X-ray photoelectron diffraction: intermixing and on-surface adsorption of Na on Al surfaces. <i>Surface Science</i> , 1995, 331-333, 80-87.	0.8	21
142	Stability of edge magnetism in functionalized zigzag graphene nanoribbons. <i>Carbon</i> , 2017, 124, 123-132.	5.4	21
143	Optical Imaging and Spectroscopy of Atomically Precise Armchair Graphene Nanoribbons. <i>Nano Letters</i> , 2020, 20, 1124-1130.	4.5	21
144	On-surface synthesis of super-heptazethrene. <i>Chemical Communications</i> , 2020, 56, 7467-7470.	2.2	21

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145	Mg on Pd(111): The formation of local order observed by photoelectron diffraction. <i>Physical Review Letters</i> , 1993, 70, 1493-1496.	2.9	20
146	Stabilization of bimolecular islands on ultrathin NaCl films by a vicinal substrate. <i>Surface Science</i> , 2009, 603, 2294-2299.	0.8	20
147	Chiral Biphenyldicarboxylic Acid Networks Stabilized by Hydrogen Bonding. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6646-6649.	1.5	20
148	Graphene nanoribbons with mixed cove-cape-zigzag edge structure. <i>Carbon</i> , 2021, 175, 50-59.	5.4	20
149	Growth of Ag on Cu(001) studied by full-hemispherical X-ray photoelectron diffraction. <i>Surface Science</i> , 1997, 373, 153-172.	0.8	19
150	Surface-state dispersion of hydrogenated and hydrogen-free diamond (100) surfaces determined by angle-resolved photoemission. <i>Surface Science</i> , 1997, 393, L77-L83.	0.8	19
151	Template-Directed Molecular Nanostructures on the Ag/Pt(111) Dislocation Network. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8407-8411.	1.5	19
152	Subphthalocyanine-based nanocrystals. <i>Chemical Communications</i> , 2011, 47, 9986.	2.2	19
153	Probing optical excitations in chevron-like armchair graphene nanoribbons. <i>Nanoscale</i> , 2017, 9, 18326-18333.	2.8	19
154	Electronic characterization of silicon intercalated chevron graphene nanoribbons on Au(111). <i>Chemical Communications</i> , 2018, 54, 1619-1622.	2.2	19
155	Direct structure determination of a composite double-layer surface alloy by x-ray photoelectron diffraction: p(2 $\sqrt{2}$ -Na)/Al(111). <i>Physical Review B</i> , 1995, 52, R2313-R2316.	1.1	18
156	Structure of Si atomic chains grown on the Si/Cu(110)c(2 $\sqrt{2}$ -) surface alloy. <i>Physical Review B</i> , 2001, 63, .	1.1	18
157	Mg(0001) surface oxidation: A two-dimensional oxide phase. <i>Physical Review B</i> , 2004, 69, .	1.1	18
158	Living on the edge: A nanographene molecule adsorbed across gold step edges. <i>Surface Science</i> , 2008, 602, L84-L88.	0.8	18
159	Temperature Dependence of Electron-to-Lattice Energy Transfer in Single-Wall Carbon Nanotube Bundles. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 145-149.	0.9	17
160	Hydrogen-Bonding Fingerprints in Electronic States of Two-Dimensional Supramolecular Assemblies. <i>ChemPhysChem</i> , 2009, 10, 2943-2946.	1.0	17
161	Atomistic insight into the adsorption site selectivity of stepped Au(111) surfaces. <i>Physical Review B</i> , 2010, 82, .	1.1	17
162	Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye. <i>Organic Electronics</i> , 2013, 14, 1787-1792.	1.4	17

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163	Band Gap of Atomically Precise Graphene Nanoribbons as a Function of Ribbon Length and Termination. <i>ChemPhysChem</i> , 2019, 20, 2348-2353.	1.0	17
164	On-Surface Synthesis of a Chiral Graphene Nanoribbon with Mixed Edge Structure. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3807-3811.	1.7	17
165	Quantum electronic transport across π -bite TM defects in graphene nanoribbons. <i>2D Materials</i> , 2021, 8, 035025.	2.0	17
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