

Roman Fasel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

217
papers

15,259
citations

59
h-index

119
g-index

231
ext. papers

17,659
ext. citations

9.6
avg, IF

6.38
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 217 | On-surface synthesis and characterization of nitrogen-substituted undecacenes.. <i>Nature Communications</i> , 2022 , 13, 511 | 17.4 | 3 |
| 216 | Magnetic Interplay between f-Electrons of Open-Shell Porphyrins and d-Electrons of Their Central Transition Metal Ions.. <i>Advanced Science</i> , 2022 , e2105906 | 13.6 | 1 |
| 215 | Lightwave-driven scanning tunnelling spectroscopy of atomically precise graphene nanoribbons. <i>Nature Communications</i> , 2021 , 12, 6794 | 17.4 | 3 |
| 214 | Observation of fractional edge excitations in nanographene spin chains. <i>Nature</i> , 2021 , 598, 287-292 | 50.4 | 21 |
| 213 | On-Surface Synthesis of Dibenzohexaceno-hexacene and Dibenzopentaphenoheptaphene. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 997-999 | 5.1 | 6 |
| 212 | 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 |
| 211 | Graphene nanoribbons with mixed cove-cape-zigzag edge structure. <i>Carbon</i> , 2021 , 175, 50-59 | 10.4 | 3 |
| 210 | 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 |
| 209 | Quantum electronic transport across Bite-defects in graphene nanoribbons. <i>2D Materials</i> , 2021 , 8, 035025 | 5.9 | 5 |
| 208 | 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 |
| 207 | Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. <i>Nature Chemistry</i> , 2021 , 13, 581-586 | 17.6 | 28 |
| 206 | Bottom-up Fabrication and Atomic-Scale Characterization of Triply Linked, Laterally f-Extended Porphyrin Nanotapes**. <i>Angewandte Chemie</i> , 2021 , 133, 16344-16350 | 3.6 | 0 |
| 205 | Bottom-up Fabrication and Atomic-Scale Characterization of Triply Linked, Laterally f-Extended Porphyrin Nanotapes*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16208-16214 | 16.4 | 3 |
| 204 | Synthesis and characterization of [7]triangulene. <i>Nanoscale</i> , 2021 , 13, 1624-1628 | 7.7 | 15 |
| 203 | On-surface synthesis of organocopper metallacycles through activation of inner diacetylene moieties. <i>Chemical Science</i> , 2021 , 12, 12806-12811 | 9.4 | 1 |
| 202 | Efficient photogeneration of nonacene on nanostructured graphene. <i>Nanoscale Horizons</i> , 2021 , 6, 744-750 | 5.8 | 3 |
| 201 | On-Surface Synthesis and Characterization of Super-nonazethrene. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8314-8319 | 6.4 | 2 |

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|-----|--|------|-----|
| 200 | Evolution of the Topological Energy Band in Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8679-8684 | 6.4 | 3 |
| 199 | Optimized graphene electrodes for contacting graphene nanoribbons. <i>Carbon</i> , 2021 , 184, 331-339 | 10.4 | 6 |
| 198 | On-surface synthesis of π -conjugated ladder-type polymers comprising nonbenzenoid moieties. <i>RSC Advances</i> , 2021 , 11, 23437-23441 | 3.7 | 0 |
| 197 | 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 |
| 196 | On-surface synthesis of super-heptazethrene. <i>Chemical Communications</i> , 2020 , 56, 7467-7470 | 5.8 | 9 |
| 195 | Controlled Quantum Dot Formation in Atomically Engineered Graphene Nanoribbon Field-Effect Transistors. <i>ACS Nano</i> , 2020 , 14, 5754-5762 | 16.7 | 22 |
| 194 | Reaction Pathway toward Seven-Atom-Wide Armchair Graphene Nanoribbon Formation and Identification of Intermediate Species on Au(111). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16009-16018 | 3.8 | 1 |
| 193 | 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 |
| 192 | Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. <i>Advanced Materials</i> , 2020 , 32, e1906054 | 24 | 24 |
| 191 | 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 |
| 190 | Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001 | 5.9 | 179 |
| 189 | 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 |
| 188 | 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 |
| 187 | Reversible Dehalogenation in On-Surface Aryl-Aryl Coupling. <i>Angewandte Chemie</i> , 2020 , 132, 14210-14214 | 3.6 | 0 |
| 186 | Reversible Dehalogenation in On-Surface Aryl-Aryl Coupling. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14106-14110 | 16.4 | 6 |
| 185 | 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 |
| 184 | Optical Imaging and Spectroscopy of Atomically Precise Armchair Graphene Nanoribbons. <i>Nano Letters</i> , 2020 , 20, 1124-1130 | 11.5 | 11 |
| 183 | On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie</i> , 2020 , 132, 1350-1355 | 3.6 | 7 |

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| 182 | Topological Defect-Induced Magnetism in a Nanographene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1147-1152 | 16.4 | 48 |
| 181 | Innenriktitelbild: 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 |
| 180 | Topological frustration induces unconventional magnetism in a nanographene. <i>Nature Nanotechnology</i> , 2020 , 15, 22-28 | 28.7 | 121 |
| 179 | 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 |
| 178 | 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 |
| 177 | On-Surface Synthesis of Oligo(indenoindene). <i>Journal of the American Chemical Society</i> , 2020 , 142, 12925-12929 | 16.4 | 11 |
| 176 | Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. <i>Nano Letters</i> , 2020 , 20, 6429-6436 | 11.5 | 25 |
| 175 | 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 |
| 174 | Collective All-Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie</i> , 2020 , 132, 12139-12145 | 3.6 | 8 |
| 173 | Collective All-Carbon Magnetism in Triangulene Dimers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12041-12047 | 16.4 | 43 |
| 172 | On-surface synthesis of singly and doubly porphyrin-capped graphene nanoribbon segments. <i>Chemical Science</i> , 2020 , 12, 247-252 | 9.4 | 9 |
| 171 | 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 |
| 170 | On-surface synthesis and characterization of individual polyacetylene chains. <i>Nature Chemistry</i> , 2019 , 11, 924-930 | 17.6 | 39 |
| 169 | A Universal Length-Dependent Vibrational Mode in Graphene Nanoribbons. <i>ACS Nano</i> , 2019 , 13, 13083-13091 | 13.7 | 15 |
| 168 | Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. <i>Carbon</i> , 2019 , 146, 36-43 | 10.4 | 43 |
| 167 | Synthesis and Characterization of Extended Triangulene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10621-10625 | 16.4 | 85 |
| 166 | Synthesis and Characterization of Degradation-Resistant Cu@CuPd Nanowire Catalysts for the Efficient Production of Formate and CO from CO ₂ . <i>ChemElectroChem</i> , 2019 , 6, 3189-3198 | 4.3 | 12 |
| 165 | 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 |

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|-----|---|------|-----|
| 164 | Overcoming Steric Hindrance in Aryl-Aryl Homocoupling via On-Surface Copolymerization. <i>ChemPhysChem</i> , 2019 , 20, 2360-2366 | 3.2 | 8 |
| 163 | On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7726-7730 | 16.4 | 39 |
| 162 | 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 |
| 161 | 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 |
| 160 | Graphene Nanoribbons Derived from Zigzag Edge-Encased Poly(para-2,9-dibenzo[bc, kl]coronene) Polymer Chains. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2843-2846 | 16.4 | 32 |
| 159 | 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 |
| 158 | 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 |
| 157 | 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 |
| 156 | Combinatorial design of molecular seeds for chirality-controlled synthesis of single-walled carbon nanotubes. <i>Nature Communications</i> , 2019 , 10, 3278 | 17.4 | 18 |
| 155 | Negatively Curved Warped Nanographene Self-Assembled on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13158-13164 | 16.4 | 11 |
| 154 | On-surface synthesis of polyazulene with 2,6-connectivity. <i>Chemical Communications</i> , 2019 , 55, 13466-13469 | 3.2 | 14 |
| 153 | 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 |
| 152 | Detachment Dynamics of Graphene Nanoribbons on Gold. <i>ACS Nano</i> , 2019 , 13, 689-697 | 16.7 | 9 |
| 151 | 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 |
| 150 | Electronic characterization of silicon intercalated chevron graphene nanoribbons on Au(111). <i>Chemical Communications</i> , 2018 , 54, 1619-1622 | 5.8 | 14 |
| 149 | On-surface synthesis of a nitrogen-embedded buckybowl with inverse Stone-Thrower-Wales topology. <i>Nature Communications</i> , 2018 , 9, 1714 | 17.4 | 63 |
| 148 | Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9104-9107 | 16.4 | 77 |
| 147 | Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018 , 560, 209-213 | 50.4 | 227 |

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|-----|---|------|-----|
| 146 | On-Surface Growth Dynamics of Graphene Nanoribbons: The Role of Halogen Functionalization. <i>ACS Nano</i> , 2018 , 12, 74-81 | 16.7 | 85 |
| 145 | Tailoring Bond Topologies in Open-Shell Graphene Nanostructures. <i>ACS Nano</i> , 2018 , 12, 11917-11927 | 16.7 | 69 |
| 144 | On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. <i>ACS Nano</i> , 2017 , 11, 1380-1388 | 16.7 | 196 |
| 143 | High vacuum synthesis and ambient stability of bottom-up graphene nanoribbons. <i>Nanoscale</i> , 2017 , 9, 2785-2792 | 7.7 | 39 |
| 142 | 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 |
| 141 | Surface science at the PEARL beamline of the Swiss Light Source. <i>Journal of Synchrotron Radiation</i> , 2017 , 24, 354-366 | 2.4 | 43 |
| 140 | Monitoring the On-Surface Synthesis of Graphene Nanoribbons by Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 7485-7492 | 7.8 | 7 |
| 139 | Quantum Dots in Graphene Nanoribbons. <i>Nano Letters</i> , 2017 , 17, 4277-4283 | 11.5 | 74 |
| 138 | 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 |
| 137 | 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 |
| 136 | Probing optical excitations in chevron-like armchair graphene nanoribbons. <i>Nanoscale</i> , 2017 , 9, 18326-18333 | 11.5 | 16 |
| 135 | Optical Investigation of On-Surface Synthesized Armchair Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700223 | 1.3 | 12 |
| 134 | Short-channel field-effect transistors with 9-atom and 13-atom wide graphene nanoribbons. <i>Nature Communications</i> , 2017 , 8, 633 | 17.4 | 215 |
| 133 | On-Surface Synthesis of Heptacene Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11658-11661 | 16.4 | 65 |
| 132 | Stability of edge magnetism in functionalized zigzag graphene nanoribbons. <i>Carbon</i> , 2017 , 124, 123-132 | 10.4 | 18 |
| 131 | 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 |
| 130 | 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 |
| 129 | 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 |

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|-----|---|-------|-----|
| 128 | Giant edge state splitting at atomically precise graphene zigzag edges. <i>Nature Communications</i> , 2016 , 7, 11507 | 17.4 | 160 |
| 127 | On-Surface Synthesis of Atomically Precise Graphene Nanoribbons. <i>Advanced Materials</i> , 2016 , 28, 6222-31 | 31.4 | 320 |
| 126 | Bottom-Up Synthesis of Metalated Carbyne. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1106-9 | 16.4 | 79 |
| 125 | On-surface synthesis of graphene nanoribbons with zigzag edge topology. <i>Nature</i> , 2016 , 531, 489-92 | 50.4 | 859 |
| 124 | Microscopic origin of chiral shape induction in achiral crystals. <i>Nature Chemistry</i> , 2016 , 8, 326-30 | 17.6 | 53 |
| 123 | Superlubricity of graphene nanoribbons on gold surfaces. <i>Science</i> , 2016 , 351, 957-61 | 33.3 | 227 |
| 122 | Resolving Atomic Connectivity in Graphene Nanostructure Junctions. <i>Nano Letters</i> , 2015 , 15, 5185-90 | 11.5 | 66 |
| 121 | Toward cove-edged low band gap graphene nanoribbons. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6097-103 | 16.4 | 234 |
| 120 | On-Surface Synthesis of BN-Substituted Heteroaromatic Networks. <i>ACS Nano</i> , 2015 , 9, 9228-35 | 16.7 | 64 |
| 119 | Electronic band dispersion of graphene nanoribbons via Fourier-transformed scanning tunneling spectroscopy. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 68 |
| 118 | Impact of heterocirculene molecular symmetry upon two-dimensional crystallization. <i>Scientific Reports</i> , 2014 , 4, 5415 | 4.9 | 11 |
| 117 | Cyclotrimerization of arylalkynes on Au(111). <i>Chemical Communications</i> , 2014 , 50, 11200-3 | 5.8 | 96 |
| 116 | Graphene nanoribbon heterojunctions. <i>Nature Nanotechnology</i> , 2014 , 9, 896-900 | 28.7 | 443 |
| 115 | Exciton-dominated optical response of ultra-narrow graphene nanoribbons. <i>Nature Communications</i> , 2014 , 5, 4253 | 17.4 | 121 |
| 114 | Controlled synthesis of single-chirality carbon nanotubes. <i>Nature</i> , 2014 , 512, 61-4 | 50.4 | 424 |
| 113 | Bowl inversion of surface-adsorbed sumanene. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13666-71 | 16.71 | 33 |
| 112 | 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 |
| 111 | Termini of bottom-up fabricated graphene nanoribbons. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2060-3 | 16.4 | 182 |

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|-----|---|------|------|
| 110 | 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 |
| 109 | Electronic structure of atomically precise graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 6930-5 | 16.7 | 339 |
| 108 | Intraribbon heterojunction formation in ultranarrow graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 2020-5 | 16.7 | 147 |
| 107 | Stable ferromagnetism and doping-induced half-metallicity in asymmetric graphene nanoribbons. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 14 |
| 106 | Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111). <i>Physical Review B</i> , 2012 , 86, | 3.3 | 10 |
| 105 | Monitoring the formation of interface-confined mixture by photoelectron spectroscopy. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 14 |
| 104 | Surface-supported 2D heterotriangulene polymers. <i>Chemical Communications</i> , 2011 , 47, 10239-41 | 5.8 | 131 |
| 103 | Subphthalocyanine-based nanocrystals. <i>Chemical Communications</i> , 2011 , 47, 9986-8 | 5.8 | 17 |
| 102 | Surface-assisted cyclodehydrogenation provides a synthetic route towards easily processable and chemically tailored nanographenes. <i>Nature Chemistry</i> , 2011 , 3, 61-7 | 17.6 | 345 |
| 101 | Evolution of the Rashba spin-orbit-split Shockley state on Ag/Pt(111). <i>Physical Review B</i> , 2011 , 83, | 3.3 | 34 |
| 100 | Complex interplay and hierarchy of interactions in two-dimensional supramolecular assemblies. <i>ACS Nano</i> , 2011 , 5, 457-69 | 16.7 | 44 |
| 99 | 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 |
| 98 | Atomically precise bottom-up fabrication of graphene nanoribbons. <i>Nature</i> , 2010 , 466, 470-3 | 50.4 | 2652 |
| 97 | Atomistic insight into the adsorption site selectivity of stepped Au(111) surfaces. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 16 |
| 96 | Chiral Biphenyldicarboxylic Acid Networks Stabilized by Hydrogen Bonding. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6646-6649 | 3.8 | 19 |
| 95 | 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 |
| 94 | The role of van der Waals interactions in surface-supported supramolecular networks. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 992-9 | 3.6 | 42 |
| 93 | A simple approach for describing metal-supported cyclohexaphenylene dehydrogenation. <i>European Physical Journal B</i> , 2010 , 75, 65-70 | 1.2 | 11 |

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|----|---|------|-----|
| 92 | Porous graphene as an atmospheric nanofilter. <i>Small</i> , 2010 , 6, 2266-71 | 11 | 284 |
| 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 | Mapping the electronic surface potential of nanostructured surfaces. <i>Physical Review Letters</i> , 2009 , 102, 086807 | 7.4 | 44 |
| 89 | Strain-relief pattern as guide for the formation of surface-supported bimolecular nanoribbons. <i>Applied Physics Letters</i> , 2009 , 95, 143111 | 3.4 | 8 |
| 88 | Hydrogen-bonding fingerprints in electronic States of two-dimensional supramolecular assemblies. <i>ChemPhysChem</i> , 2009 , 10, 2943-6 | 3.2 | 16 |
| 87 | Stabilization of bimolecular islands on ultrathin NaCl films by a vicinal substrate. <i>Surface Science</i> , 2009 , 603, 2294-2299 | 1.8 | 18 |
| 86 | Interplay of covalent bonding and correlation effects at molecule-metal contacts. <i>Chemical Physics Letters</i> , 2009 , 478, 191-194 | 2.5 | 2 |
| 85 | 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 | 3.8 | 21 |
| 84 | 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 |
| 83 | Porous graphenes: two-dimensional polymer synthesis with atomic precision. <i>Chemical Communications</i> , 2009 , 6919-21 | 5.8 | 550 |
| 82 | Molecular imaging of polyimide formation. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1209-14 | 3.6 | 51 |
| 81 | Tailoring low-dimensional organic semiconductor nanostructures. <i>Nano Letters</i> , 2009 , 9, 126-31 | 11.5 | 33 |
| 80 | Surface Science Approaches to Molecular Nanostructures. <i>Chimia</i> , 2009 , 63, 122-127 | 1.3 | 6 |
| 79 | 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 |
| 78 | An aromatic coupling motif for two-dimensional supramolecular architectures. <i>Chemical Communications</i> , 2008 , 4555-7 | 5.8 | 28 |
| 77 | Fabrication of surface-supported low-dimensional polyimide networks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14054-5 | 16.4 | 146 |
| 76 | Coverage and Enantiomeric Excess Dependent Enantiomorphism in Two-Dimensional Molecular Crystals. <i>Crystal Growth and Design</i> , 2008 , 8, 1890-1896 | 3.5 | 63 |
| 75 | Fabrication of a well-ordered nanohole array stable at room temperature. <i>Nano Letters</i> , 2008 , 8, 2035-40 | 11.5 | 23 |

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|----|--|------|-----|
| 74 | C60/corannulene on Cu(110): a surface-supported bistable buckybowl-buckyball host-guest system. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4767-71 | 16.4 | 103 |
| 73 | Living on the edge: A nanographene molecule adsorbed across gold step edges. <i>Surface Science</i> , 2008 , 602, L84-L88 | 1.8 | 18 |
| 72 | 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 |
| 71 | Self-assembly of periodic bicomponent wires and ribbons. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1814-8 | 16.4 | 150 |
| 70 | Buckybowls on metal surfaces: symmetry mismatch and enantiomorphism of corannulene on Cu110. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8258-61 | 16.4 | 79 |
| 69 | Self-Assembly of Periodic Bicomponent Wires and Ribbons. <i>Angewandte Chemie</i> , 2007 , 119, 1846-1850 | 3.6 | 32 |
| 68 | Korbffmige Kohlenwasserstoffe auf Metalloberflchen: Symmetrieeunvertrglichkeit und Enantiomorphie von Corannulen auf Cu(110). <i>Angewandte Chemie</i> , 2007 , 119, 8406-8409 | 3.6 | 13 |
| 67 | 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 |
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