# Steven De Feyter

## List of Publications by Year in Descending Order



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| 449 papers | 19,213 citations | 69 h-index | 117 g-index |
| 489 ext. papers | 20,818 ext. citations | 9.2 avg, IF | 6.78 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 449 | From 2D to 3D: Bridging Self-Assembled Monolayers to a Substrate-Induced Polymorph in a Molecular Semiconductor. *Chemistry of Materials*, **2022**, 34, 2238-2248 | 9.6 | 2 |
| 448 | Observing polymerization in 2D dynamic covalent polymers.. *Nature*, **2022**, 603, 835-840 | 50.4 | 7 |
| 447 | Complexity in Two-Dimensional Multicomponent Assembly **2022**, 43-79 | | |
| 446 | Grafting Ink for Direct Writing: Solvation Activated Covalent Functionalization of Graphene.. *Advanced Science*, **2022**, e2105017 | 13.6 | 0 |
| 445 | All-Optical and One-Color Rewritable Chemical Patterning on Pristine Graphene under Water.. *Journal of Physical Chemistry Letters*, **2022**, 3796-3803 | 6.4 | 0 |
| 444 | Covalent Modification of Graphite and Graphene Using Diazonium Chemistry. *Physical Chemistry in Action*, **2022**, 157-181 | | |
| 443 | Two-dimensional perovskites with alternating cations in the interlayer space for stable light-emitting diodes. *Nanophotonics*, **2021**, 10, 2145-2156 | 6.3 | 6 |
| 442 | Double Lamellar Morphologies and Odd–Even Effects in Two- and Three-Dimensional N,N?-bis(n-alkyl)-naphthalenediimide Materials. *Chemistry of Materials*, **2021**, 33, 8800-8811 | 9.6 | 3 |
| 441 | MOLECULAR FUNCTIONALIZATION OF 2D MATERIALS. *Surface Review and Letters*, **2021**, 28, 2140002 | 1.1 | 0 |
| 440 | Multicomponent Covalent Chemical Patterning of Graphene. *ACS Nano*, **2021**, 15, 10618-10627 | 16.7 | 9 |
| 439 | Detection and Stabilization of a Previously Unknown Two-Dimensional (Pseudo)polymorph using Lateral Nanoconfinement. *Journal of the American Chemical Society*, **2021**, 143, 11080-11087 | 16.4 | 4 |
| 438 | Controlled graphite surface functionalization using contact and remote photocatalytic oxidation. *Carbon*, **2021**, 172, 637-646 | 10.4 | 4 |
| 437 | Chirality from scratch: enantioselective adsorption in geometrically controlled lateral nanoconfinement. *Chemical Communications*, **2021**, 57, 61-64 | 5.8 | 3 |
| 436 | Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. *Nature Materials*, **2021**, 20, 93-99 | 27 | 46 |
| 435 | 2D Self-assembled molecular networks and on-surface reactivity under nanoscale lateral confinement. *Chemical Society Reviews*, **2021**, 50, 5884-5897 | 58.5 | 8 |
| 434 | Covalent functionalization of molybdenum disulfide by chemically activated diazonium salts. *Nanoscale*, **2021**, 13, 2972-2981 | 7.7 | 8 |
| 433 | 2D self-assembly and electronic characterization of oxygen-boron-oxygen-doped chiral graphene nanoribbons. *Chemical Communications*, **2021**, 57, 6031-6034 | 5.8 | 2 |

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| 432 | A chemisorbed interfacial layer for seeding atomic layer deposition on graphite. *Nanoscale*, **2021**, 13, 12327-12341 | 7.7 | 0 |
| 431 | Carbocatalysis with pristine graphite: on-surface nanochemistry assists solution-based catalysis. *Chemical Society Reviews*, **2021**, 50, 2280-2296 | 58.5 | 7 |
| 430 | High-throughput AFM analysis reveals unwrapping pathways of H3 and CENP-A nucleosomes. *Nanoscale*, **2021**, 13, 5435-5447 | 7.7 | 10 |
| 429 | Molecular dopant determines the structure of a physisorbed self-assembled molecular network. *Chemical Communications*, **2021**, 57, 1454-1457 | 5.8 | 9 |
| 428 | "Concentration-in-Control" self-assembly concept at the liquid-solid interface challenged. *Chemical Science*, **2021**, 12, 13167-13176 | 9.4 | 3 |
| 427 | Chiral Adsorption Conformations of Long-Chain n-Alkanes Induced by Lattice Mismatch. *Journal of Physical Chemistry C*, **2021**, 125, 1557-1563 | 3.8 | 2 |
| 426 | Doping Graphene with Substitutional Mn. *ACS Nano*, **2021**, 15, 5449-5458 | 16.7 | 9 |
| 425 | Self-sealing thermoplastic fluoroelastomer enables rapid fabrication of modular microreactors. *Nano Select*, **2021**, 2, 1385-1402 | 3.1 | 1 |
| 424 | Breakdown of Universal Scaling for Nanometer-Sized Bubbles in Graphene. *Nano Letters*, **2021**, 21, 8103-8110 | 11.5 | 5 |
| 423 | Effect of different oxide and hybrid precursors on MOF-CVD of ZIF-8 films. *Dalton Transactions*, **2021**, 50, 6784-6788 | 4.3 | 10 |
| 422 | Chirality in porous self-assembled monolayer networks at liquid/solid interfaces: induction, reversion, recognition and transfer. *Chemical Communications*, **2021**, 57, 962-977 | 5.8 | 5 |
| 421 | Cove-Edged Graphene Nanoribbons with Incorporation of Periodic Zigzag-Edge Segments.. *Journal of the American Chemical Society*, **2021**, | 16.4 | 2 |
| 420 | Ambient Bistable Single Dipole Switching in a Molecular Monolayer. *Angewandte Chemie - International Edition*, **2020**, 59, 14049-14053 | 16.4 | 3 |
| 419 | Ambient Bistable Single Dipole Switching in a Molecular Monolayer. *Angewandte Chemie*, **2020**, 132, 14153-14157 | 3.6 | 1 |
| 418 | Iodide mediated reductive decomposition of diazonium salts: towards mild and efficient covalent functionalization of surface-supported graphene. *Nanoscale*, **2020**, 12, 11916-11926 | 7.7 | 11 |
| 417 | Covalent Functionalization of Carbon Surfaces: Diaryliodonium versus Aryldiazonium Chemistry. *Chemistry of Materials*, **2020**, 32, 5246-5255 | 9.6 | 13 |
| 416 | Controlled Fabrication of Optical Signal Input/Output Sites on Plasmonic Nanowires. *Nano Letters*, **2020**, 20, 2460-2467 | 11.5 | 6 |
| 415 | Real-Time Molecular-Scale Imaging of Dynamic Network Switching between Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2020**, 142, 5964-5968 | 16.4 | 19 |

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| 414 | Impact of covalent functionalization by diazonium chemistry on the electronic properties of graphene on SiC. *Nanoscale*, **2020**, 12, 9032-9037 | 7.7 | 12 |
| 413 | Porous Self-Assembled Molecular Networks as Templates for Chiral-Position-Controlled Chemical Functionalization of Graphitic Surfaces. *Journal of the American Chemical Society*, **2020**, 142, 7699-7708 | 16.4 | 14 |
| 412 | Trapping a pentagonal molecule in a self-assembled molecular network: an alkoxylated isosceles triangular molecule does the job. *Chemical Communications*, **2020**, 56, 5401-5404 | 5.8 | 5 |
| 411 | Interface Chemistry of Graphene/Cu Grafted By 3,4,5-Tri-Methoxyphenyl. *Scientific Reports*, **2020**, 10, 4114 | 4.9 | 7 |
| 410 | Halogen Bonding in Two-Dimensional Crystal Engineering. *ChemistryOpen*, **2020**, 9, 225-241 | 2.3 | 38 |
| 409 | Transformation from helical to layered supramolecular organization of asymmetric perylene diimides via multiple intermolecular hydrogen bonding. *Chemical Science*, **2020**, 11, 4960-4968 | 9.4 | 7 |
| 408 | Anatomy of On-Surface Synthesized Boroxine Two-Dimensional Polymers. *ACS Nano*, **2020**, 14, 2354-2365 | 16.7 | 9 |
| 407 | Epitaxial growth of light-responsive azobenzene molecular crystal actuators on oriented polyethylene films. *Journal of Materials Chemistry C*, **2020**, 8, 694-699 | 7.1 | 7 |
| 406 | On the Thermal Stability of Aryl Groups Chemisorbed on Graphite. *Journal of Physical Chemistry C*, **2020**, 124, 1980-1990 | 3.8 | 8 |
| 405 | Label-free visualization of heterogeneities and defects in metal-organic frameworks using nonlinear optics. *Chemical Communications*, **2020**, 56, 13331-13334 | 5.8 | 5 |
| 404 | Coplanar versus Noncoplanar Carboxyl Groups: The Influence of Sterically Enforced Noncoplanarity on the 2D Mixing Behavior of Benzene Tricarboxylic Acids. *Journal of Physical Chemistry C*, **2020**, 124, 24874-24882 | 3.8 | 4 |
| 403 | Influence of Heterogeneity on the Chiral Expression of Star-Shaped Conjugated Polymers. *Macromolecules*, **2020**, 53, 9254-9263 | 5.5 | 0 |
| 402 | Self-limiting covalent modification of carbon surfaces: diazonium chemistry with a twist. *Nanoscale*, **2020**, 12, 18782-18789 | 7.7 | 13 |
| 401 | Growth of a self-assembled monolayer decoupled from the substrate: nucleation on-command using buffer layers. *Beilstein Journal of Nanotechnology*, **2020**, 11, 1291-1302 | 3 | 1 |
| 400 | Hierarchical two-dimensional molecular assembly through dynamic combination of conformational states at the liquid/solid interface. *Chemical Science*, **2020**, 11, 9254-9261 | 9.4 | 3 |
| 399 | Stereospecific Epitaxial Growth of Bilayered Porous Molecular Networks. *Journal of the American Chemical Society*, **2020**, 142, 8662-8671 | 16.4 | 6 |
| 398 | Photo-induced electrodeposition of metallic nanostructures on graphene. *Nanoscale*, **2020**, 12, 11063-11069 | 7.7 | 3 |
| 397 | An Approach to the Synthesis of a Two-Dimensional Polymer Using a Preorganized Host-Guest Network by Self-Assembly at the Liquid/Solid Interface. *ChemNanoMat*, **2020**, 6, 550-559 | 3.5 | 2 |

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| 396 | Integrated Cleanroom Process for the Vapor-Phase Deposition of Large-Area Zeolitic Imidazolate Framework Thin Films. *Chemistry of Materials*, **2019**, 31, 9462-9471 | 9.6 | 29 |
| 395 | 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 |
| 394 | Phase selectivity triggered by nanoconfinement: the impact of corral dimensions. *Chemical Communications*, **2019**, 55, 2226-2229 | 5.8 | 11 |
| 393 | Adaptive Self-Assembly in 2D Nanoconfined Spaces: Dealing with Geometric Frustration. *Chemistry of Materials*, **2019**, 31, 6779-6786 | 9.6 | 9 |
| 392 | Nucleation Mechanisms of Self-Assembled Physisorbed Monolayers on Graphite. *Journal of Physical Chemistry C*, **2019**, 123, 17510-17520 | 3.8 | 5 |
| 391 | Graphite and Graphene Fairy Circles: A Bottom-Up Approach for the Formation of Nanocorrals. *ACS Nano*, **2019**, 13, 5559-5571 | 16.7 | 17 |
| 390 | Halogenated building blocks for 2D crystal engineering on solid surfaces: lessons from hydrogen bonding. *Chemical Science*, **2019**, 10, 3881-3891 | 9.4 | 24 |
| 389 | Graphene Meets Ionic Liquids: Fermi Level Engineering via Electrostatic Forces. *ACS Nano*, **2019**, 13, 3512-3521 | 16.7 | 12 |
| 388 | Reversing the Handedness of Self-Assembled Porous Molecular Networks through the Number of Identical Chiral Centres. *Angewandte Chemie - International Edition*, **2019**, 58, 7733-7738 | 16.4 | 14 |
| 387 | Reversing the Handedness of Self-Assembled Porous Molecular Networks through the Number of Identical Chiral Centres. *Angewandte Chemie*, **2019**, 131, 7815-7820 | 3.6 | 1 |
| 386 | A Scanning Tunneling Microscopy Study on Surface-Supported Imine-Based Covalent Organic Frameworks: a New Design for Robust 2D Materials.. *Microscopy and Microanalysis*, **2019**, 25, 1478-1479 | 0.5 | |
| 385 | Controlling the Bioreceptor Spatial Distribution at the Nanoscale for Single Molecule Counting in Microwell Arrays. *ACS Sensors*, **2019**, 4, 2327-2335 | 9.2 | 5 |
| 384 | Preferred Formation of Minority Concomitant Polymorphs in 2D Self-Assembly under Lateral Nanoconfinement. *Angewandte Chemie - International Edition*, **2019**, 58, 12964-12968 | 16.4 | 7 |
| 383 | Preferred Formation of Minority Concomitant Polymorphs in 2D Self-Assembly under Lateral Nanoconfinement. *Angewandte Chemie*, **2019**, 131, 13098-13102 | 3.6 | 0 |
| 382 | Electric-Field-Mediated Reversible Transformation between Supramolecular Networks and Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2019**, 141, 11404-11408 | 16.4 | 35 |
| 381 | Chemical modification of 2D materials using molecules and assemblies of molecules. *Advances in Physics: X*, **2019**, 4, 1625723 | 5.1 | 25 |
| 380 | One-Step Covalent Immobilization of ╫Cyclodextrin on sp2 Carbon Surfaces for Selective Trace Amount Probing of Guests. *Advanced Functional Materials*, **2019**, 29, 1901488 | 15.6 | 9 |
| 379 | Artificial ╫propeller protein-based hydrolases. *Chemical Communications*, **2019**, 55, 8880-8883 | 5.8 | 7 |

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| 378 | Alkoxy Chain Number Effect on Self-Assembly of a Trigonal Molecule at the Liquid/Solid Interface. *Journal of Physical Chemistry C*, **2019**, 123, 27020-27029 | 3.8 | 7 |
| 377 | Electrostatically Driven Guest Binding in Self-Assembled Molecular Network of Hexagonal Pyridine Macrocycle at the Liquid/Solid Interface: Symmetry Breaking Induced by Coadsorbed Solvent Molecules. *Langmuir*, **2019**, 35, 15051-15062 | 4 | 0 |
| 376 | Steric and Electronic Effects of Electrochemically Generated Aryl Radicals on Grafting of the Graphite Surface. *Langmuir*, **2019**, 35, 2089-2098 | 4 | 20 |
| 375 | Self-Assembled Polystyrene Beads for Templated Covalent Functionalization of Graphitic Substrates Using Diazonium Chemistry. *ACS Applied Materials & Interfaces*, **2018**, 10, 12005-12012 | 9.5 | 9 |
| 374 | Structural Insights into the Mechanism of Chiral Recognition and Chirality Transfer in Host□Guest Assemblies at the Liquid□Solid Interface. *Journal of Physical Chemistry C*, **2018**, 122, 8228-8235 | 3.8 | 17 |
| 373 | Orthogonal Probing of Single-Molecule Heterogeneity by Correlative Fluorescence and Force Microscopy. *ACS Nano*, **2018**, 12, 168-177 | 16.7 | 6 |
| 372 | Synthesis and supramolecular organization of chiral poly(thiophene)□magnetite hybrid nanoparticles. *Polymer Chemistry*, **2018**, 9, 3029-3036 | 4.9 | 9 |
| 371 | Electrostatically Driven Guest Binding in a Self-Assembled Porous Network at the Liquid/Solid Interface. *Langmuir*, **2018**, 34, 6036-6045 | 4 | 7 |
| 370 | Controlled Synthesis of a Helical Conjugated Polythiophene. *Macromolecules*, **2018**, 51, 3504-3514 | 5.5 | 15 |
| 369 | Supramolecular Loop Stitches of Discrete Block Molecules on Graphite: Tunable Hydrophobicity by Naphthalenediimide End-Capped Oligodimethylsiloxane. *Chemistry of Materials*, **2018**, 30, 3372-3378 | 9.6 | 12 |
| 368 | Silver nanowires for highly reproducible cantilever based AFM-TERS microscopy: towards a universal TERS probe. *Nanoscale*, **2018**, 10, 7556-7565 | 7.7 | 18 |
| 367 | Reactivity on and of Graphene Layers: Scanning Probe Microscopy Reveals. *Advances in Atom and Single Molecule Machines*, **2018**, 35-61 | 0 | |
| 366 | Correlative Atomic Force and Single-Molecule Fluorescence Microscopy of Nucleoprotein Complexes. *Methods in Molecular Biology*, **2018**, 1814, 339-359 | 1.4 | 0 |
| 365 | Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. *ACS Nano*, **2018**, 12, 7445-7481 | 16.7 | 146 |
| 364 | Alkyl chain length effects on double-deck assembly at a liquid/solid interface. *Nanoscale*, **2018**, 10, 14993-15002 | 7.7 | 20 |
| 363 | Intrinsic Properties of Single Graphene Nanoribbons in Solution: Synthetic and Spectroscopic Studies. *Journal of the American Chemical Society*, **2018**, 140, 10416-10420 | 16.4 | 31 |
| 362 | Hydrogen-Bonded Donor-Acceptor Arrays at the Solution-Graphite Interface. *Chemistry - A European Journal*, **2018**, 24, 12071-12077 | 4.8 | 8 |
| 361 | Synthesis of Triply Fused Porphyrin-Nanographene Conjugates. *Angewandte Chemie - International Edition*, **2018**, 57, 11233-11237 | 16.4 | 27 |

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| 360 | Synthesis of Triply Fused Porphyrin-Nanographene Conjugates. *Angewandte Chemie*, **2018**, 130, 11403-11407 | 3.6 | 11 |
| 359 | Amplification of chirality in surface-confined supramolecular bilayers. *Nature Communications*, **2018**, 9, 3416 | 17.4 | 24 |
| 358 | The impact of grafted surface defects on the on-surface Schiff-base chemistry at the solid-liquid interface. *Chemical Communications*, **2018**, 54, 9905-9908 | 5.8 | 10 |
| 357 | Hydrogen-Bonded Siloxane Liquid Crystals for Hybrid Nanomaterials. *Helvetica Chimica Acta*, **2018**, 101, e1800130 | 2 | 5 |
| 356 | Computational insight into the origin of unexpected contrast in chiral markers as revealed by STM. *Nanoscale*, **2018**, 10, 1680-1694 | 7.7 | 3 |
| 355 | Unidirectional supramolecular self-assembly inside nanocorrals via in situ STM nanoshaving. *Physical Chemistry Chemical Physics*, **2018**, 20, 27482-27489 | 3.6 | 9 |
| 354 | Host□Guest Chemistry in Surface-Confined Two-Dimensional Covalent Organic Frameworks **2018**, 285-294 | | |
| 353 | Tailoring atomic layer growth at the liquid-metal interface. *Nature Communications*, **2018**, 9, 4889 | 17.4 | 7 |
| 352 | Facilitating Tip-Enhanced Raman Scattering on Dielectric Substrates via Electrical Cutting of Silver Nanowire Probes. *Journal of Physical Chemistry Letters*, **2018**, 9, 7117-7122 | 6.4 | 2 |
| 351 | How Does Chemisorption Impact Physisorption? Molecular View of Defect Incorporation and Perturbation of Two-Dimensional Self-Assembly. *Journal of Physical Chemistry C*, **2018**, 122, 24046-24054 | 3.8 | 10 |
| 350 | Mechanism of Ostwald Ripening in 2D Physisorbed Assemblies at Molecular Time and Length Scale by Molecular Dynamics Simulations. *Journal of Physical Chemistry C*, **2018**, 122, 24380-24385 | 3.8 | 3 |
| 349 | Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. *ACS Nano*, **2018**, 12, 11520-11528 | 16.7 | 32 |
| 348 | Free Energy Landscape and Dynamics of Supercoiled DNA by High-Speed Atomic Force Microscopy. *ACS Nano*, **2018**, 12, 11907-11916 | 16.7 | 22 |
| 347 | Controlled Synthesis and Supramolecular Organization of Conjugated Star-Shaped Polymers. *Macromolecules*, **2018**, 51, 8689-8697 | 5.5 | 9 |
| 346 | Biasing Enantiomorph Formation via Geometric Confinement: Nanocorrals for Chiral Induction at the Liquid-Solid Interface. *Journal of the American Chemical Society*, **2018**, 140, 11565-11568 | 16.4 | 17 |
| 345 | Ultrathin Single Bilayer Separation Membranes Based on Hyperbranched Sulfonated Poly(aryleneoxindole). *Advanced Functional Materials*, **2017**, 27, 1605068 | 15.6 | 34 |
| 344 | Conjugated Covalent Organic Frameworks via Michael Addition-Elimination. *Journal of the American Chemical Society*, **2017**, 139, 2421-2427 | 16.4 | 194 |
| 343 | Host-Guest Chemistry in Integrated Porous Space Formed by Molecular Self-Assembly at Liquid-Solid Interfaces. *Langmuir*, **2017**, 33, 4601-4618 | 4 | 47 |

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| 342 | 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 |
| 341 | Confined polydiacetylene polymerization reactions for programmed length control. *Chemical Communications*, **2017**, 53, 4207-4210 | 5.8 | 25 |
| 340 | Frontiers of supramolecular chemistry at solid surfaces. *Chemical Society Reviews*, **2017**, 46, 2520-2542 | 58.5 | 155 |
| 339 | Synthesis, Photophysical Characterization, and Self-Assembly of Hexa-peri-hexabenzocoronene/Benzothiadiazole Donor-Acceptor Structure. *ChemPlusChem*, **2017**, 82, 1030-1033 | 2.8 | 10 |
| 338 | OddEven Effects in Chiral Phase Transition at the Liquid/Solid Interface. *Journal of Physical Chemistry C*, **2017**, 121, 10430-10438 | 3.8 | 15 |
| 337 | Area-selective passivation of sp carbon surfaces by supramolecular self-assembly. *Nanoscale*, **2017**, 9, 5188-5193 | 7.7 | 12 |
| 336 | Two-dimensional crystal engineering using halogen and hydrogen bonds: towards structural landscapes. *Chemical Science*, **2017**, 8, 3759-3769 | 9.4 | 35 |
| 335 | Twisted Aromatic Frameworks: Readily Exfoliable and Solution-Processable Two-Dimensional Conjugated Microporous Polymers. *Angewandte Chemie - International Edition*, **2017**, 56, 6946-6951 | 16.4 | 74 |
| 334 | Twisted Aromatic Frameworks: Readily Exfoliable and Solution-Processable Two-Dimensional Conjugated Microporous Polymers. *Angewandte Chemie*, **2017**, 129, 7050-7055 | 3.6 | 15 |
| 333 | Nanoconfined self-assembly on a grafted graphitic surface under electrochemical control. *Nanoscale*, **2017**, 9, 362-368 | 7.7 | 12 |
| 332 | On the formation of concentric 2D multicomponent assemblies at the solution-solid interface. *Chemical Communications*, **2017**, 53, 1108-1111 | 5.8 | 32 |
| 331 | Reversible Anion-Driven Switching of an Organic 2D Crystal at a Solid-Liquid Interface. *Small*, **2017**, 13, 1702379 | 11 | 9 |
| 330 | Hierarchical self-assembly of enantiopure and racemic helicenes at the liquid/solid interface: from 2D to 3D. *Nanoscale*, **2017**, 9, 18075-18080 | 7.7 | 10 |
| 329 | Probing properties of molecule-based interface systems: general discussion and Discussion of the Concluding Remarks. *Faraday Discussions*, **2017**, 204, 503-530 | 3.6 | |
| 328 | Supramolecular effects in self-assembled monolayers: general discussion. *Faraday Discussions*, **2017**, 204, 123-158 | 3.6 | 2 |
| 327 | Preparing macromolecular systems on surfaces: general discussion. *Faraday Discussions*, **2017**, 204, 395-418 | 3.6 | |
| 326 | Supramolecular systems at liquid-solid interfaces: general discussion. *Faraday Discussions*, **2017**, 204, 271-295 | 3.6 | 2 |
| 325 | Transfer of chiral information from a chiral solvent to a two-dimensional network. *Faraday Discussions*, **2017**, 204, 215-231 | 3.6 | 7 |

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| 324 | Highly controllable direct femtosecond laser writing of gold nanostructures on titanium dioxide surfaces. *Nanoscale*, **2017**, 9, 13025-13033 | 7.7 | 6 |
| 323 | Nanoscale Control over the Mixing Behavior of Surface-Confined Bicomponent Supramolecular Networks Using an Oriented External Electric Field. *ACS Nano*, **2017**, 11, 10903-10913 | 16.7 | 53 |
| 322 | Lateral Fusion of Chemical Vapor Deposited N = 5 Armchair Graphene Nanoribbons. *Journal of the American Chemical Society*, **2017**, 139, 9483-9486 | 16.4 | 58 |
| 321 | Scanning probe microscopy induced surface modifications of the topological insulator BiTe in different environments. *Nanotechnology*, **2017**, 28, 335706 | 3.4 | 3 |
| 320 | Optimization and upscaling of spin coating with organosilane monolayers for low-k pore sealing. *Microelectronic Engineering*, **2017**, 167, 32-36 | 2.5 | 5 |
| 319 | Doping of graphene for the application in nano-interconnect. *Microelectronic Engineering*, **2017**, 167, 42-46 | 2.5 | 10 |
| 318 | Nanopatterning of a covalent organic framework host-guest system. *Chemical Communications*, **2016**, 52, 68-71 | 5.8 | 66 |
| 317 | One-pot functionalization of cellulose nanocrystals with various cationic groups. *Cellulose*, **2016**, 23, 3569-3576 | 5.5 | 17 |
| 316 | Host-guest chemistry in two-dimensional supramolecular networks. *Chemical Communications*, **2016**, 52, 11465-11487 | 5.8 | 131 |
| 315 | Construction of cyclic arrays of Zn-porphyrin units and their guest binding at the solid-liquid interface. *Chemical Communications*, **2016**, 52, 14419-14422 | 5.8 | 6 |
| 314 | Tunable doping of graphene by using physisorbed self-assembled networks. *Nanoscale*, **2016**, 8, 20017-20026 | 7.7 | 42 |
| 313 | Coadsorption of $Tb^{III}$Porphyrin Double-decker Single-molecule Magnets in a Porous Molecular Network: Toward Controlled Alignment of Single-molecule Magnets on a Carbon Surface. *Chemistry Letters*, **2016**, 45, 286-288 | 1.7 | 3 |
| 312 | Adaptive Building Blocks Consisting of Rigid Triangular Core and Flexible Alkoxy Chains for Self-Assembly at Liquid/Solid Interfaces. *Bulletin of the Chemical Society of Japan*, **2016**, 89, 1277-1306 | 5.1 | 59 |
| 311 | The impact of grafted surface defects and their controlled removal on supramolecular self-assembly. *Chemical Science*, **2016**, 7, 7028-7033 | 9.4 | 17 |
| 310 | A Shape-Persistent Polyphenylene Spoked Wheel. *Journal of the American Chemical Society*, **2016**, 138, 15539-15542 | 16.4 | 23 |
| 309 | Self-Assembly under Confinement: Nanocorrals for Understanding Fundamentals of 2D Crystallization. *ACS Nano*, **2016**, 10, 10706-10715 | 16.7 | 44 |
| 308 | Tip-enhanced Raman scattering microscopy: Recent advance in tip production. *Japanese Journal of Applied Physics*, **2016**, 55, 08NA02 | 1.4 | 14 |
| 307 | Surface Plasmon-Assisted Site-Specific Cutting of Silver Nanowires Using Femtosecond Laser. *Advanced Materials Technologies*, **2016**, 1, 1600014 | 6.8 | 7 |

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| 306 | Two-Dimensional Nanoporous Networks Formed by Liquid-to-Solid Transfer of Hydrogen-Bonded Macrocycles Built from DNA Bases. *Angewandte Chemie - International Edition*, **2016**, 55, 659-63 | 16.4 | 42 |
| 305 | Switching stiction and adhesion of a liquid on a solid. *Nature*, **2016**, 534, 676-9 | 50.4 | 50 |
| 304 | Liquid Nickel Salts: Synthesis, Crystal Structure Determination, and Electrochemical Synthesis of Nickel Nanoparticles. *Chemistry - A European Journal*, **2016**, 22, 1010-20 | 4.8 | 15 |
| 303 | Chemical vapour deposition of zeolitic imidazolate framework thin films. *Nature Materials*, **2016**, 15, 304-10 | 27 | 387 |
| 302 | Adding Four Extra K-Regions to Hexa-peri-hexabenzocoronene. *Journal of the American Chemical Society*, **2016**, 138, 4726-9 | 16.4 | 44 |
| 301 | Periodic Functionalization of Surface-Confined Pores in a Two-Dimensional Porous Network Using a Tailored Molecular Building Block. *ACS Nano*, **2016**, 10, 2113-20 | 16.7 | 38 |
| 300 | Direct observation of the influence of chirality on the microstructure of regioregular poly(3-alkylthiophene)s at the liquid/solid interface. *Chemical Communications*, **2016**, 53, 153-156 | 5.8 | 5 |
| 299 | Remote excitation-tip-enhanced Raman scattering microscopy using silver nanowire. *Japanese Journal of Applied Physics*, **2016**, 55, 08NB03 | 1.4 | 15 |
| 298 | Two-Dimensional Nanoporous Networks Formed by Liquid-to-Solid Transfer of Hydrogen-Bonded Macrocycles Built from DNA Bases. *Angewandte Chemie*, **2016**, 128, 669-673 | 3.6 | 10 |
| 297 | Molecular doping of MoS2 transistors by self-assembled oleylamine networks. *Applied Physics Letters*, **2016**, 109, 253112 | 3.4 | 37 |
| 296 | Chirality at the Solution/Solid-State Interface **2016**, 257-284 | | 0 |
| 295 | Surface-confined activation of ultra low-k dielectrics in CO2 plasma. *Applied Physics Letters*, **2016**, 108, 262902 | 3.4 | 11 |
| 294 | Steven De Feyter. *Angewandte Chemie - International Edition*, **2016**, 55, 32-32 | 16.4 | 1 |
| 293 | Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solution-solid interface. *Nature Chemistry*, **2016**, 8, 711-7 | 17.6 | 83 |
| 292 | Synthesis, Properties, and Two-Dimensional Adsorption Characteristics of [6]Hexahelicene-7-carboxylic acid. *Chemistry - A European Journal*, **2016**, 22, 14633-9 | 4.8 | 3 |
| 291 | Poly(ethylene oxide) Functionalized Graphene Nanoribbons with Excellent Solution Processability. *Journal of the American Chemical Society*, **2016**, 138, 10136-9 | 16.4 | 63 |
| 290 | Complex Chiral Induction Processes at the Solution/Solid Interface. *Journal of Physical Chemistry C*, **2016**, 120, 17444-17453 | 3.8 | 14 |
| 289 | Direct visualization of microphase separation in block copoly(3-alkylthiophene)s. *RSC Advances*, **2015**, 5, 8721-8726 | 3.7 | 18 |

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