# David K Smith

## List of Publications by Year in Descending Order



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| 203 papers | 12,330 citations | 60 h-index | 103 g-index |
| 228 ext. papers | 13,290 ext. citations | 8.6 avg, IF | 7.13 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 203 | Self-assembled gel tubes, filaments and 3D-printing with metal nanoparticle formation and enhanced stem cell growth.. *Chemical Science*, **2022**, 13, 1972-1981 | 9.4 | 5 |
| 202 | Enhanced Delivery of Neuroactive Drugs via Nasal Delivery with a Self-Healing Supramolecular Gel. *Advanced Science*, **2021**, 8, e2101058 | 13.6 | 14 |
| 201 | Spatial and temporal diffusion-control of dynamic multi-domain self-assembled gels. *Chemical Science*, **2021**, 12, 4162-4172 | 9.4 | 10 |
| 200 | Triggering a transient organo-gelation system in a chemically active solvent. *Chemical Communications*, **2021**, 57, 10375-10378 | 5.8 | 1 |
| 199 | Self-assembled low-molecular-weight gelator injectable microgel beads for delivery of bioactive agents. *Chemical Science*, **2021**, 12, 3958-3965 | 9.4 | 6 |
| 198 | Hybrid Self-Assembled Gel Beads for Tuneable pH-Controlled Rosuvastatin Delivery. *Chemistry - A European Journal*, **2021**, 27, 13203-13210 | 4.8 | 1 |
| 197 | Self-Propelling Hybrid Gels Incorporating an Active Self-Assembled, Low-Molecular-Weight Gelator. *Chemistry - A European Journal*, **2021**, 27, 14527-14534 | 4.8 | 2 |
| 196 | Double diffusion for the programmable spatiotemporal patterning of multi-domain supramolecular gels. *Chemical Science*, **2021**, 12, 12156-12164 | 9.4 | 3 |
| 195 | First-generation shaped gel reactors based on photo-patterned hybrid hydrogels. *Reaction Chemistry and Engineering*, **2020**, 5, 1112-1117 | 4.9 | 9 |
| 194 | Photo-patterned multi-domain multi-component hybrid hydrogels. *Chemical Communications*, **2020**, 56, 7029-7032 | 5.8 | 7 |
| 193 | Hybrid hydrogels loaded with palladium nanoparticles □Catalysts for environmentally-friendly Sonogashira and Heck cross-coupling reactions. *Tetrahedron*, **2020**, 76, 131344 | 2.4 | 11 |
| 192 | The race to the bottom and the route to the top. *Nature Chemistry*, **2020**, 12, 101-103 | 17.6 | 11 |
| 191 | Self-Assembled Supramolecular Hybrid Hydrogel Beads Loaded with Silver Nanoparticles for Antimicrobial Applications. *Chemistry - A European Journal*, **2020**, 26, 8452-8457 | 4.8 | 22 |
| 190 | Self-Assembling Supramolecular Hybrid Hydrogel Beads. *Angewandte Chemie - International Edition*, **2020**, 59, 853-859 | 16.4 | 30 |
| 189 | Self-Assembling Supramolecular Hybrid Hydrogel Beads. *Angewandte Chemie*, **2020**, 132, 863-869 | 3.6 | 6 |
| 188 | Catalytic Gels for a Prebiotically Relevant Asymmetric Aldol Reaction in Water: From Organocatalyst Design to Hydrogel Discovery and Back Again. *Journal of the American Chemical Society*, **2020**, 142, 4379-4389 | 16.4 | 26 |
| 187 | Multicomponent polysaccharide alginate-based bioinks. *Journal of Materials Chemistry B*, **2020**, 8, 8171-8188 | 7.6 | 39 |

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| 186 | Two-component supramolecular hydrogel for controlled drug release. *Chemical Communications*, **2020**, 56, 11046-11049 | 5.8 | 13 |
| 185 | Supramolecular Self-Assembly To Control Structural and Biological Properties of Multicomponent Hydrogels. *Chemistry of Materials*, **2019**, 31, 7883-7897 | 9.6 | 56 |
| 184 | In situ aldehyde-modification of self-assembled acyl hydrazide hydrogels and dynamic component selection from complex aldehyde mixtures. *Chemical Communications*, **2019**, 55, 1947-1950 | 5.8 | 10 |
| 183 | Self-Assembled Gels Formed in Deep Eutectic Solvents: Supramolecular Eutectogels with High Ionic Conductivity. *Angewandte Chemie*, **2019**, 131, 4217-4222 | 3.6 | 12 |
| 182 | Self-Assembled Gels Formed in Deep Eutectic Solvents: Supramolecular Eutectogels with High Ionic Conductivity. *Angewandte Chemie - International Edition*, **2019**, 58, 4173-4178 | 16.4 | 65 |
| 181 | Sequential Assembly of Mutually Interactive Supramolecular Hydrogels and Fabrication of Multi-Domain Materials. *Chemistry - A European Journal*, **2019**, 25, 11318-11326 | 4.8 | 14 |
| 180 | Shaping and structuring supramolecular gels. *Nature Reviews Materials*, **2019**, 4, 463-478 | 73.3 | 146 |
| 179 | Self-assembled multivalent (SAMul) ligand systems with enhanced stability in the presence of human serum. *Biomaterials Science*, **2019**, 7, 3812-3820 | 7.4 | 3 |
| 178 | Tuning gelled lyotropic liquid crystals (LLCs) - probing the influence of different low molecular weight gelators on the phase diagram of the system HO/NaCl-Genapol LA070. *Soft Matter*, **2019**, 15, 3111-3121 | 3.6 | 15 |
| 177 | Conductive Gels Based on Modified Agarose Embedded with Gold Nanoparticles and their Application as a Conducting Support for Shewanella Oneidensis MR-1. *ChemElectroChem*, **2019**, 6, 5876-5879 | 4.3 | 2 |
| 176 | A Personal Matter?. *Matter*, **2019**, 1, 1439-1442 | 12.7 | 3 |
| 175 | From fundamental supramolecular chemistry to self-assembled nanomaterials and medicines and back again - how Sam inspired SAMul. *Chemical Communications*, **2018**, 54, 4743-4760 | 5.8 | 20 |
| 174 | Chiral Assembly Preferences and Directing Effects in Supramolecular Two-Component Organogels. *Gels*, **2018**, 4, | 4.2 | 10 |
| 173 | Commercially Relevant Orthogonal Multi-Component Supramolecular Hydrogels for Programmed Cell Growth. *Chemistry - A European Journal*, **2018**, 24, 15112-15118 | 4.8 | 25 |
| 172 | Chapter 9:Applications of Supramolecular Gels. *Monographs in Supramolecular Chemistry*, **2018**, 300-371 | 1.1 | 12 |
| 171 | Mallard Blue binding to heparin, its SDS micelle-driven de-complexation, and interaction with human serum albumin: A combined experimental/modeling investigation. *Fluid Phase Equilibria*, **2018**, 470, 259-267 | 2.5 | 4 |
| 170 | Palladium-scavenging self-assembled hybrid hydrogels - reusable highly-active green catalysts for Suzuki-Miyaura cross-coupling reactions. *Chemical Science*, **2018**, 9, 8673-8681 | 9.4 | 42 |
| 169 | Self-Assembled Nanomicelles as Curcumin Drug Delivery Vehicles: Impact on Solitary Fibrous Tumor Cell Protein Expression and Viability. *Molecular Pharmaceutics*, **2018**, 15, 4689-4701 | 5.6 | 7 |

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| 168 | Enantiomeric and Diastereomeric Self-Assembled Multivalent Nanostructures: Understanding the Effects of Chirality on Binding to Polyanionic Heparin and DNA. *Angewandte Chemie*, **2018**, 130, 8666-8670 | 3.6 | |
| 167 | Diffusion across a gel-gel interface - molecular-scale mobility of self-assembled solid-like gel nanofibres in multi-component supramolecular organogels. *Chemical Science*, **2018**, 9, 5541-5550 | 9.4 | 12 |
| 166 | Enantiomeric and Diastereomeric Self-Assembled Multivalent Nanostructures: Understanding the Effects of Chirality on Binding to Polyanionic Heparin and DNA. *Angewandte Chemie - International Edition*, **2018**, 57, 8530-8534 | 16.4 | 11 |
| 165 | Supramolecular materials. *Chemical Society Reviews*, **2017**, 46, 2404-2420 | 58.5 | 391 |
| 164 | Morphological control of self-assembled multivalent (SAMul) heparin binding in highly competitive media. *Chemical Communications*, **2017**, 53, 6335-6338 | 5.8 | 13 |
| 163 | Self-Assembled Multivalent (SAMul) Polyanion Binding-Impact of Hydrophobic Modifications in the Micellar Core on DNA and Heparin Binding at the Peripheral Cationic Ligands. *Chemistry - A European Journal*, **2017**, 23, 6391-6397 | 4.8 | 13 |
| 162 | Emergence of highly-ordered hierarchical nanoscale aggregates on electrostatic binding of self-assembled multivalent (SAMul) cationic micelles with polyanionic heparin. *Journal of Materials Chemistry B*, **2017**, 5, 341-347 | 7.3 | 19 |
| 161 | Effect of buffer at nanoscale molecular recognition interfaces - electrostatic binding of biological polyanions. *Chemical Communications*, **2017**, 53, 11580-11583 | 5.8 | 11 |
| 160 | Multi-component hybrid hydrogels - understanding the extent of orthogonal assembly and its impact on controlled release. *Chemical Science*, **2017**, 8, 6981-6990 | 9.4 | 48 |
| 159 | Prebiotic synthesis of 2-deoxy-d-ribose from interstellar building blocks promoted by amino esters or amino nitriles. *Chemical Communications*, **2017**, 53, 10362-10365 | 5.8 | 16 |
| 158 | Spatially-resolved soft materials for controlled release - hybrid hydrogels combining a robust photo-activated polymer gel with an interactive supramolecular gel. *Chemical Science*, **2017**, 8, 7218-7227 | 9.4 | 42 |
| 157 | Effect of buffer on heparin binding and sensing in competitive aqueous media. *Supramolecular Chemistry*, **2017**, 29, 688-695 | 1.8 | 7 |
| 156 | Applying low-molecular weight supramolecular gelators in an environmental setting - self-assembled gels as smart materials for pollutant removal. *Chemical Society Reviews*, **2016**, 45, 4226-51 | 58.5 | 496 |
| 155 | Selective Extraction and In Situ Reduction of Precious Metal Salts from Model Waste To Generate Hybrid Gels with Embedded Electrocatalytic Nanoparticles. *Angewandte Chemie - International Edition*, **2016**, 55, 183-7 | 16.4 | 69 |
| 154 | Pyrene-based heparin sensors in competitive aqueous media - the role of self-assembled multivalency (SAMul). *Chemical Communications*, **2016**, 52, 3785-8 | 5.8 | 31 |
| 153 | Selective Extraction and In Situ Reduction of Precious Metal Salts from Model Waste To Generate Hybrid Gels with Embedded Electrocatalytic Nanoparticles. *Angewandte Chemie*, **2016**, 128, 191-195 | 3.6 | 28 |
| 152 | Electrostatic binding of polyanions using self-assembled multivalent (SAMul) ligand displays - structure-activity effects on DNA/heparin binding. *Chemical Science*, **2016**, 7, 4653-4659 | 9.4 | 26 |
| 151 | Chiral recognition at self-assembled multivalent (SAMul) nanoscale interfaces - enantioselectivity in polyanion binding. *Chemical Communications*, **2016**, 52, 10540-3 | 5.8 | 16 |

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| 150 | Expanding the scope of gels □combining polymers with low-molecular-weight gelators to yield modified self-assembling smart materials with high-tech applications. *Materials Horizons*, **2015**, 2, 279-293 | 14.4 | 147 |
| 149 | Self-assembled sorbitol-derived supramolecular hydrogels for the controlled encapsulation and release of active pharmaceutical ingredients. *Chemical Communications*, **2015**, 51, 7451-4 | 5.8 | 54 |
| 148 | Speed versus stability □structure□ctivity effects on the assembly of two-component gels. *RSC Advances*, **2015**, 5, 27190-27196 | 3.7 | 19 |
| 147 | Ion exchange in alginate gels--dynamic behaviour revealed by electron paramagnetic resonance. *Soft Matter*, **2015**, 11, 8968-74 | 3.6 | 14 |
| 146 | Heparin versus DNA: Chiral Preferences in Polyanion Binding to Self-Assembled Multivalent (SAMul) Nanostructures. *Journal of the American Chemical Society*, **2015**, 137, 10056-9 | 16.4 | 25 |
| 145 | Multi-component supramolecular gels for the controlled crystallization of drugs: synergistic and antagonistic effects. *CrystEngComm*, **2015**, 17, 8146-8152 | 3.3 | 19 |
| 144 | 1,3:2,4-Dibenzylidene-D-sorbitol (DBS) and its derivatives--efficient, versatile and industrially-relevant low-molecular-weight gelators with over 100 years of history and a bright future. *Soft Matter*, **2015**, 11, 4768-87 | 3.6 | 96 |
| 143 | Photopatterned Multidomain Gels: Multi-Component Self-Assembled Hydrogels Based on Partially Self-Sorting 1,3:2,4-Dibenzylidene-D-sorbitol Derivatives. *Journal of the American Chemical Society*, **2015**, 137, 15486-92 | 16.4 | 97 |
| 142 | Nanoscale self-assembled multivalent (SAMul) heparin binders in highly competitive, biologically relevant, aqueous media. *Chemical Science*, **2014**, 5, 1484 | 9.4 | 40 |
| 141 | Double-degradable responsive self-assembled multivalent arrays--temporary nanoscale recognition between dendrons and DNA. *Organic and Biomolecular Chemistry*, **2014**, 12, 446-55 | 3.9 | 27 |
| 140 | Multidomain hybrid hydrogels: spatially resolved photopatterned synthetic nanomaterials combining polymer and low-molecular-weight gelators. *Angewandte Chemie - International Edition*, **2014**, 53, 12461-5 | 16.4 | 21 |
| 139 | Polyglycerol-based amphiphilic dendrons as potential siRNA carriers for in vivo applications. *Journal of Materials Chemistry B*, **2014**, 2, 2153-2167 | 7.3 | 27 |
| 138 | Enantioselective component selection in multicomponent supramolecular gels. *Journal of the American Chemical Society*, **2014**, 136, 1116-24 | 16.4 | 118 |
| 137 | Shape-persistent and adaptive multivalency: rigid transgeden (TGD) and flexible PAMAM dendrimers for heparin binding. *Chemistry - A European Journal*, **2014**, 20, 9666-74 | 4.8 | 19 |
| 136 | Using EPR spectroscopy as a unique probe of molecular-scale reorganization and solvation in self-assembled gel-phase materials. *Langmuir*, **2014**, 30, 9210-8 | 4 | 6 |
| 135 | iTube, YouTube, WeTube: Social Media Videos in Chemistry Education and Outreach. *Journal of Chemical Education*, **2014**, 91, 1594-1599 | 2.4 | 49 |
| 134 | Multidomain Hybrid Hydrogels: Spatially Resolved Photopatterned Synthetic Nanomaterials Combining Polymer and Low-Molecular-Weight Gelators. *Angewandte Chemie*, **2014**, 126, 12669-12673 | 3.6 | 23 |
| 133 | Sorption of metal ions by poly(ethylene glycol)/□CD hydrogels leads to gel-embedded metal nanoparticles. *Langmuir*, **2013**, 29, 9173-8 | 4 | 19 |

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| 132 | Hybrid polymer and low molecular weight gels dynamic two-component soft materials with both responsive and robust nanoscale networks. *Soft Matter*, **2013**, 9, 8730 | 3.6 | 79 |
| 131 | Heparin sensing and binding - taking supramolecular chemistry towards clinical applications. *Chemical Society Reviews*, **2013**, 42, 9184-95 | 58.5 | 138 |
| 130 | Versatile supramolecular pH-tolerant hydrogels which demonstrate pH-dependent selective adsorption of dyes from aqueous solution. *Chemical Communications*, **2013**, 49, 11164-6 | 5.8 | 120 |
| 129 | Self-organisation effects in dynamic nanoscale gels self-assembled from simple mixtures of commercially available molecular-scale components. *Chemical Science*, **2013**, 4, 671-676 | 9.4 | 37 |
| 128 | Mallard blue: a high-affinity selective heparin sensor that operates in highly competitive media. *Journal of the American Chemical Society*, **2013**, 135, 2911-4 | 16.4 | 92 |
| 127 | Self-assembled multivalent RGD-peptide arrays--morphological control and integrin binding. *Organic and Biomolecular Chemistry*, **2013**, 11, 3177-86 | 3.9 | 30 |
| 126 | A simple new competition assay for heparin binding in serum applied to multivalent PAMAM dendrimers. *Chemical Communications*, **2013**, 49, 4830-2 | 5.8 | 36 |
| 125 | Dynamic evolving two-component supramolecular gels-hierarchical control over component selection in complex mixtures. *Journal of the American Chemical Society*, **2013**, 135, 5911-20 | 16.4 | 109 |
| 124 | Characterization of Dendrimers and Their Interactions with Biomolecules for Medical use by Means of Electron Magnetic Resonance **2013**, 115-133 | | 3 |
| 123 | Effects of a PEG additive on the biomolecular interactions of self-assembled dendron nanostructures. *Organic and Biomolecular Chemistry*, **2012**, 10, 8403-9 | 3.9 | 11 |
| 122 | Innenrücktitelbild: The Reaction Coordinate of a Bacterial GH47 Mannosidase: A Combined Quantum Mechanical and Structural Approach (Angew. Chem. 44/2012). *Angewandte Chemie*, **2012**, 124, 11333-11333 | 3.6 | |
| 121 | Probing dendron structure and nanoscale self-assembly using computer-aided analysis of EPR spectra. *New Journal of Chemistry*, **2012**, 36, 469-476 | 3.6 | 6 |
| 120 | Cation-responsive silver-selective organogel-exploiting silver-alkene interactions in the gel-phase. *Chemical Communications*, **2012**, 48, 2767-9 | 5.8 | 37 |
| 119 | The Reaction Coordinate of a Bacterial GH47 Mannosidase: A Combined Quantum Mechanical and Structural Approach. *Angewandte Chemie*, **2012**, 124, 11159-11163 | 3.6 | 9 |
| 118 | The reaction coordinate of a bacterial GH47 mannosidase: a combined quantum mechanical and structural approach. *Angewandte Chemie - International Edition*, **2012**, 51, 10997-1001 | 16.4 | 49 |
| 117 | Exploring molecular recognition pathways in one- and two-component gels formed by dendritic lysine-based gelators. *Soft Matter*, **2012**, 8, 3399 | 3.6 | 36 |
| 116 | Self-Assembling Fibrillar Networks Supramolecular Gels **2012**, | | 1 |
| 115 | Selbstorganisierte Multivalenz: dynamische Ligandenanordnungen f hochaffine Bindungen. *Angewandte Chemie*, **2012**, 124, 6676-6685 | 3.6 | 34 |

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| 114 | Designing Dendrimers. Herausgegeben von Sebastiano Campagna, Paula Ceroni und Fausto Puntoriero.. *Angewandte Chemie*, **2012**, 124, 6150-6150 | 3.6 | |
| 113 | Self-assembled multivalency: dynamic ligand arrays for high-affinity binding. *Angewandte Chemie - International Edition*, **2012**, 51, 6572-81 | 16.4 | 147 |
| 112 | Structure-activity effects in peptide self-assembly and gelation - Dendritic versus linear architectures. *Chemical Communications*, **2012**, 48, 7817-9 | 5.8 | 21 |
| 111 | Hydrophobically modified dendrons: developing structure-activity relationships for DNA binding and gene transfection. *Molecular Pharmaceutics*, **2011**, 8, 416-29 | 5.6 | 70 |
| 110 | Degradable self-assembling dendrons for gene delivery: experimental and theoretical insights into the barriers to cellular uptake. *Journal of the American Chemical Society*, **2011**, 133, 20288-300 | 16.4 | 156 |
| 109 | Comparing dendritic and self-assembly strategies to multivalency--RGD peptide-integrin interactions. *Organic and Biomolecular Chemistry*, **2011**, 9, 4795-801 | 3.9 | 43 |
| 108 | Controlled release of DNA from photoresponsive hyperbranched polyglycerols with oligoamine shells. *Macromolecular Bioscience*, **2011**, 11, 1736-46 | 5.5 | 43 |
| 107 | Macromol. Biosci. 12/2011. *Macromolecular Bioscience*, **2011**, 11, 1735-1735 | 5.5 | |
| 106 | Self-Assembling Ligands for Multivalent Nanoscale Heparin Binding. *Angewandte Chemie*, **2011**, 123, 4771-4775 | 3.6 | 9 |
| 105 | Self-assembling ligands for multivalent nanoscale heparin binding. *Angewandte Chemie - International Edition*, **2011**, 50, 4675-9 | 16.4 | 60 |
| 104 | Synthetically accessible, tunable, low-molecular-weight oligopeptide organogelators. *Chemical Communications*, **2011**, 47, 340-2 | 5.8 | 22 |
| 103 | Solvent–gelator interactions—using empirical solvent parameters to better understand the self-assembly of gel-phase materials. *Soft Matter*, **2011**, 7, 110-117 | 3.6 | 125 |
| 102 | Self-sorting multi-gelator gels—mixing and ageing effects in thermally addressable supramolecular soft nanomaterials. *Soft Matter*, **2011**, 7, 4856 | 3.6 | 92 |
| 101 | Fluorescent 'two-faced' polymer wafers with embedded pyrene-functionalised gelator nanofibres. *Chemical Communications*, **2011**, 47, 11864-6 | 5.8 | 20 |
| 100 | Hierarchical assembly—dynamic gel–nanoparticle hybrid soft materials based on biologically derived building blocks. *Journal of Materials Chemistry*, **2010**, 20, 6696 | | 38 |
| 99 | Less is more—multiscale modelling of self-assembling multivalency and its impact on DNA binding and gene delivery. *Chemical Science*, **2010**, 1, 393 | 9.4 | 71 |
| 98 | Quantifying the effect of surface ligands on dendron-DNA interactions: insights into multivalency through a combined experimental and theoretical approach. *Chemistry - A European Journal*, **2010**, 16, 4519-32 | 4.8 | 57 |
| 97 | Self-assembly of two-component gels: stoichiometric control and component selection. *Chemistry - A European Journal*, **2009**, 15, 372-9 | 4.8 | 90 |

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| 96 | Controlled self-assembly-synthetic tunability and covalent capture of nanoscale gel morphologies. *Chemistry - A European Journal*, **2009**, 15, 6340-4 | 4.8 | 29 |
| 95 | "On-off" multivalent recognition: degradable dendrons for temporary high-affinity DNA binding. *Angewandte Chemie - International Edition*, **2009**, 48, 4047-51 | 16.4 | 55 |
| 94 | Metathesis within self-assembled gels: transcribing nanostructured soft materials into a more robust form. *Langmuir*, **2009**, 25, 8786-93 | 4 | 39 |
| 93 | Lost in translation? Chirality effects in the self-assembly of nanostructured gel-phase materials. *Chemical Society Reviews*, **2009**, 38, 684-94 | 58.5 | 338 |
| 92 | Nanocomposite hydrogels: controlled synthesis of chiral polyaniline nanofibers and their inclusion in agarose. *Synthetic Metals*, **2009**, 159, 2135-2140 | 3.6 | 19 |
| 91 | Controlled self-sorting in the assembly of 'multi-gelator' gels. *Chemical Communications*, **2009**, 316-8 | 5.8 | 112 |
| 90 | Encapsulated binding sites--synthetically simple receptors for the binding and transport of HCl. *Chemical Communications*, **2009**, 4299-301 | 5.8 | 29 |
| 89 | Modeling the multivalent recognition between dendritic molecules and DNA: understanding how ligand "sacrifice" and screening can enhance binding. *Journal of the American Chemical Society*, **2009**, 131, 9686-94 | 16.4 | 110 |
| 88 | Synergistic effects on gene delivery--co-formulation of small disulfide-linked dendritic polycations with Lipofectamine 2000. *Organic and Biomolecular Chemistry*, **2009**, 7, 789-93 | 3.9 | 22 |
| 87 | Low-molecular-weight gelators: elucidating the principles of gelation based on gelator solubility and a cooperative self-assembly model. *Journal of the American Chemical Society*, **2008**, 130, 9113-21 | 16.4 | 328 |
| 86 | Synergistic effects in gene delivery-a structure-activity approach to the optimisation of hybrid dendritic-lipidic transfection agents. *Chemical Communications*, **2008**, 4700-2 | 5.8 | 65 |
| 85 | Controlled Synthesis of Optically Active Polyaniline Nanorods and Nanostructured Gold Microspheres Using Tetrachloroaurate as an Efficient Oxidant of Aniline. *Macromolecules*, **2008**, 41, 3417-3421 | 5.5 | 30 |
| 84 | Metastable two-component gel-exploring the gel-crystal interface. *Chemical Communications*, **2008**, 2248-50 | 5.8 | 105 |
| 83 | Nanostructured polymers with embedded self-assembled reactive gel networks. *Chemical Communications*, **2008**, 4601-3 | 5.8 | 31 |
| 82 | Dendrimers and the double helix--from DNA binding towards gene therapy. *Current Topics in Medicinal Chemistry*, **2008**, 8, 1187-203 | 3 | 60 |
| 81 | High-molecular-weight polymers for protein crystallization: poly-gamma-glutamic acid-based precipitants. *Acta Crystallographica Section D: Biological Crystallography*, **2008**, 64, 957-63 | | 13 |
| 80 | High-tech applications of self-assembling supramolecular nanostructured gel-phase materials: from regenerative medicine to electronic devices. *Angewandte Chemie - International Edition*, **2008**, 47, 8002-18 | 16.4 | 1079 |
| 79 | Crown ether functionalised dendrons: controlled binding and release of dopamine in both solution and gel-phases. *New Journal of Chemistry*, **2007**, 31, 1243-1249 | 3.6 | 18 |

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| 78 | Modular construction and hierarchical gelation of organooxotin nanoclusters derived from simple building blocks. *Chemical Communications*, **2007**, 4943-5 | 5.8 | 11 |
| 77 | Dendritic nanoparticles-the impact of ligand cross-linking on nanocore stability. *Langmuir*, **2007**, 23, 5787-94 | 4 | 24 |
| 76 | Optimizing biomimetic gelators constructed from amino acid building blocks. *Journal of Organic Chemistry*, **2007**, 72, 3937-40 | 4.2 | 33 |
| 75 | Synthetically accessible, high-affinity phosphate anion receptors. *Chemical Communications*, **2007**, 3039-41 | 5.8 | 29 |
| 74 | Ortho-substituted catechol derivatives: the effect of intramolecular hydrogen-bonding pathways on chloride anion recognition. *Journal of Organic Chemistry*, **2007**, 72, 2803-15 | 4.2 | 59 |
| 73 | Self-organisation in the assembly of gels from mixtures of different dendritic peptide building blocks. *Chemistry - A European Journal*, **2007**, 13, 2180-8 | 4.8 | 95 |
| 72 | Optically triggered release of DNA from multivalent dendrons by degrading and charge-switching multivalency. *Angewandte Chemie - International Edition*, **2007**, 46, 7600-4 | 16.4 | 99 |
| 71 | Exploring molecular recognition pathways within a family of gelators with different hydrogen bonding motifs. *Tetrahedron*, **2007**, 63, 7397-7406 | 2.4 | 51 |
| 70 | Molecular gels: underpinning nanoscale materials with organic chemistry. *Tetrahedron*, **2007**, 63, 7283-7284 | 2.4 | 20 |
| 69 | Microscale vapour diffusion for protein crystallization. *Acta Crystallographica Section D: Biological Crystallography*, **2007**, 63, 1009-15 | | 12 |
| 68 | Anion Binding and Recognition by Inorganic Based Receptors. *Progress in Inorganic Chemistry*, **2007**, 1-96 | | 83 |
| 67 | Precisely defined protein-polymer conjugates: construction of synthetic DNA binding domains on proteins by using multivalent dendrons. *ACS Nano*, **2007**, 1, 103-13 | 16.7 | 69 |
| 66 | Dendritic receptors designed to bind polyanions in both organic and aqueous media. *Organic and Biomolecular Chemistry*, **2007**, 5, 900-6 | 3.9 | 3 |
| 65 | Multivalent dendrons for high-affinity adhesion of proteins to DNA. *Angewandte Chemie - International Edition*, **2006**, 45, 3538-42 | 16.4 | 60 |
| 64 | Multivalent Dendrons for High-Affinity Adhesion of Proteins to DNA. *Angewandte Chemie*, **2006**, 118, 3618-3622 | 3.6 | 17 |
| 63 | Dendrons with spermine surface groups as potential building blocks for nonviral vectors in gene therapy. *Bioconjugate Chemistry*, **2006**, 17, 172-8 | 6.3 | 68 |
| 62 | Anion binding by catechols--an NMR, optical and electrochemical study. *Organic and Biomolecular Chemistry*, **2006**, 4, 1760-7 | 3.9 | 81 |
| 61 | Dendritic supermolecules--towards controllable nanomaterials. *Chemical Communications*, **2006**, 34-44 | 5.8 | 155 |

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| 60 | Use of the Mid-Lecture Break in Chemistry Teaching: A Survey and Some Suggestions. *Journal of Chemical Education*, **2006**, 83, 1621 | 2.4 | 7 |
| 59 | Dendron-protected Au nanoparticles--effect of dendritic structure on chemical stability. *Journal of Colloid and Interface Science*, **2006**, 302, 178-86 | 9.3 | 37 |
| 58 | Robust gels created using a self-assembly and covalent capture strategy. *Chemical Communications*, **2005**, 5647-9 | 5.8 | 23 |
| 57 | Controlling the materials properties and nanostructure of a single-component dendritic gel by adding a second component. *Chemical Communications*, **2005**, 385-7 | 5.8 | 51 |
| 56 | A direct comparison of one- and two-component dendritic self-assembled materials: elucidating molecular recognition pathways. *Journal of the American Chemical Society*, **2005**, 127, 7130-9 | 16.4 | 89 |
| 55 | A Supramolecular Approach to Medicinal Chemistry: Medicine Beyond the Molecule. *Journal of Chemical Education*, **2005**, 82, 393 | 2.4 | 38 |
| 54 | Dendritic gelators. *Topics in Current Chemistry*, **2005**, 256, 237-73 | | 73 |
| 53 | Self-assembly using dendritic building blocks: towards controllable nanomaterials. *Progress in Polymer Science*, **2005**, 30, 220-293 | 29.6 | 164 |
| 52 | Synthesis of gold nanoparticles within a supramolecular gel-phase network. *Chemical Communications*, **2005**, 1971-3 | 5.8 | 110 |
| 51 | High-affinity multivalent DNA binding by using low-molecular-weight dendrons. *Angewandte Chemie - International Edition*, **2005**, 44, 2556-9 | 16.4 | 111 |
| 50 | High-Affinity Multivalent DNA Binding by Using Low-Molecular-Weight Dendrons. *Angewandte Chemie*, **2005**, 117, 2612-2615 | 3.6 | 30 |
| 49 | Two-component gel-phase materials--highly tunable self-assembling systems. *Chemistry - A European Journal*, **2005**, 11, 5496-508 | 4.8 | 337 |
| 48 | Unique nanoscale morphologies underpinning organic gel-phase materials. *Chemistry - A European Journal*, **2005**, 11, 6552-9 | 4.8 | 80 |
| 47 | Solvent effects on supramolecular gel-phase materials: two-component dendritic gel. *Langmuir*, **2004**, 20, 10851-7 | 4 | 164 |
| 46 | Two-component dendritic gel: effect of spacer chain length on the supramolecular chiral assembly. *Langmuir*, **2004**, 20, 7070-7 | 4 | 100 |
| 45 | Two-component dendritic gel: effect of stereochemistry on the supramolecular chiral assembly. *Chemistry - A European Journal*, **2004**, 10, 5901-10 | 4.8 | 138 |
| 44 | Copper amino-acid complexes: towards encapsulated metal centres. *Polyhedron*, **2004**, 23, 1709-1717 | 2.7 | 18 |
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