# Nathaniel L Rosi

# List of Publications by Citations

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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.

| 116                | 31,710 citations      | 59                  | 123            |
|--------------------|-----------------------|---------------------|----------------|
| papers             |                       | h-index             | g-index        |
| 123<br>ext. papers | 33,875 ext. citations | <b>12.1</b> avg, IF | 7.3<br>L-index |

| #   | Paper  | IF             | Citations |
|-----|--|----------------|-----------|
| 116 | Systematic design of pore size and functionality in isoreticular MOFs and their application in methane storage. <i>Science</i> , <b>2002</b> , 295, 469-72   | 33.3           | 6475      |
| 115 | Nanostructures in biodiagnostics. <i>Chemical Reviews</i> , <b>2005</b> , 105, 1547-62   | 68.1           | 4122      |
| 114 | Hydrogen storage in microporous metal-organic frameworks. <i>Science</i> , <b>2003</b> , 300, 1127-9   | 33.3           | 4026      |
| 113 | Rod packings and metal-organic frameworks constructed from rod-shaped secondary building units. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1504-18   | 16.4           | 1963      |
| 112 | Oligonucleotide-modified gold nanoparticles for intracellular gene regulation. <i>Science</i> , <b>2006</b> , 312, 1027  | - <b>3</b> 9.3 | 1682      |
| 111 | Cation-triggered drug release from a porous zinc-adeninate metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 8376-7  | 16.4           | 868       |
| 110 | High and selective CO2 uptake in a cobalt adeninate metal-organic framework exhibiting pyrimidine- and amino-decorated pores. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 38-9                                | 16.4           | 823       |
| 109 | Zinc-adeninate metal-organic framework for aqueous encapsulation and sensitization of near-infrared and visible emitting lanthanide cations. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1220-3               | 16.4           | 536       |
| 108 | Tuning MOF CO2 adsorption properties via cation exchange. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5578-9  | 16.4           | 501       |
| 107 | Chiral structure of thiolate-protected 28-gold-atom nanocluster determined by X-ray crystallography. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10011-3  | 16.4           | 476       |
| 106 | Total structure and electronic properties of the gold nanocrystal Au36(SR)24. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 13114-8   | 16.4           | 468       |
| 105 | Oligonucleotide loading determines cellular uptake of DNA-modified gold nanoparticles. <i>Nano Letters</i> , <b>2007</b> , 7, 3818-21  | 11.5           | 467       |
| 104 | Near-infrared luminescent lanthanide MOF barcodes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18069-71   | 16.4           | 410       |
| 103 | Peptide-based methods for the preparation of nanostructured inorganic materials. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1924-42  | 16.4           | 381       |
| 102 | Metal-biomolecule frameworks (MBioFs). Chemical Communications, 2011, 47, 7287-302   | 5.8            | 314       |
| 101 | Metal-adeninate vertices for the construction of an exceptionally porous metal-organic framework. <i>Nature Communications</i> , <b>2012</b> , 3, 604  | 17.4           | 312       |
| 100 | A new peptide-based method for the design and synthesis of nanoparticle superstructures: construction of highly ordered gold nanoparticle double helices. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13555-7 | 16.4           | 311       |

### (2009-2006)

| 99 | Asymmetric functionalization of gold nanoparticles with oligonucleotides. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 9286-7  | 16.4                 | 292 |
|----|--|----------------------|-----|
| 98 | Nonsuperatomic [Au23(SC6H11)16]- nanocluster featuring bipyramidal Au15 kernel and trimeric Au3(SR)4 motif. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18264-7         | 16.4                 | 277 |
| 97 | Stepwise ligand exchange for the preparation of a family of mesoporous MOFs. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11688-91                                       | 16.4                 | 272 |
| 96 | Infinite secondary building units and forbidden catenation in metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 284-7                               | 16.4                 | 263 |
| 95 | Gold-thiolate ring as a protecting motif in the Au20(SR)16 nanocluster and implications. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 11922-5                            | 16.4                 | 244 |
| 94 | Advances in the chemistry of metalBrganic frameworks. CrystEngComm, 2002, 4, 401-404   | 3.3                  | 239 |
| 93 | Fabrication of MMMs with improved gas separation properties using externally-functionalized MOF particles. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5014-5022                  | 13                   | 228 |
| 92 | Design and preparation of a core-shell metal-organic framework for selective CO2 capture. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9984-7                            | 16.4                 | 220 |
| 91 | Crystal Structure of Barrel-Shaped Chiral Au130(p-MBT)50 Nanocluster. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10076-9   | 16.4                 | 207 |
| 90 | Lanthanide near infrared imaging in living cells with Yb3+ nano metal organic frameworks.  Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17199-204 | 11.5                 | 206 |
| 89 | Crystal structure and electronic properties of a thiolate-protected Au24 nanocluster. <i>Nanoscale</i> , <b>2014</b> , 6, 6458-62  | 7.7                  | 204 |
| 88 | Isomerism in Au28(SR)20 Nanocluster and Stable Structures. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1482-5   | 16.4                 | 202 |
| 87 | Tailorable plasmonic circular dichroism properties of helical nanoparticle superstructures. <i>Nano Letters</i> , <b>2013</b> , 13, 3256-61  | 11.5                 | 185 |
| 86 | Gold tetrahedra coil up: Kekullike and double helical superstructures. <i>Science Advances</i> , <b>2015</b> , 1, e1500  | <b>4<u>2</u>5</b> .3 | 184 |
| 85 | Structure determination of [Au18(SR)14]. Angewandte Chemie - International Edition, 2015, 54, 3140-4   | 16.4                 | 181 |
| 84 | Total structure and optical properties of a phosphine/thiolate-protected Au24 nanocluster. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20286-9                          | 16.4                 | 170 |
| 83 | Systematic modulation and enhancement of CO2 : N2 selectivity and water stability in an isoreticular series of bio-MOF-11 analogues. <i>Chemical Science</i> , <b>2013</b> , 4, 1746             | 9.4                  | 153 |
| 82 | Synthesis, structure, assembly, and modulation of the CO2 adsorption properties of a zinc-adeninate macrocycle. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 8401-3      | 16.4                 | 144 |

| 81 | Controlling the Atomic Structure of Au30 Nanoclusters by a Ligand-Based Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6694-7  | 16.4 | 139 |
|----|--|------|-----|
| 80 | Control of nanoparticle assembly by using DNA-modified diatom templates. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5500-3   | 16.4 | 136 |
| 79 | Tailoring the Electronic and Catalytic Properties of Au25 Nanoclusters via Ligand Engineering. <i>ACS Nano</i> , <b>2016</b> , 10, 7998-8005   | 16.7 | 134 |
| 78 | Observation of Body-Centered Cubic Gold Nanocluster. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9826-9   | 16.4 | 125 |
| 77 | Near-infrared emitting ytterbium metal-organic frameworks with tunable excitation properties. <i>Chemical Communications</i> , <b>2009</b> , 4506-8  | 5.8  | 125 |
| 76 | Tri-icosahedral Gold Nanocluster [Au37(PPh3)10(SC2H4Ph)10X2](+): Linear Assembly of Icosahedral Building Blocks. <i>ACS Nano</i> , <b>2015</b> , 9, 8530-6   | 16.7 | 124 |
| 75 | Atomic Structure of Self-Assembled Monolayer of Thiolates on a Tetragonal Au92 Nanocrystal.<br>Journal of the American Chemical Society, <b>2016</b> , 138, 8710-3   | 16.4 | 124 |
| 74 | Tailoring the Structure of 58-Electron Gold Nanoclusters: AuS(S-Nap) and Its Implications. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9994-10001                                       | 16.4 | 123 |
| 73 | Silicon Nanoparticles with Surface Nitrogen: 90% Quantum Yield with Narrow Luminescence Bandwidth and the Ligand Structure Based Energy Law. <i>ACS Nano</i> , <b>2016</b> , 10, 8385-93                         | 16.7 | 120 |
| 72 | Total Structure and Electronic Properties of the Gold Nanocrystal Au36(SR)24. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 13291-13295  | 3.6  | 114 |
| 71 | Preparation of unique 1-D nanoparticle superstructures and tailoring their structural features. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6902-3                                      | 16.4 | 113 |
| 7º | Strain-promoted "click" modification of a mesoporous metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 18886-8   | 16.4 | 110 |
| 69 | Peptide-Directed Assembly of Single-Helical Gold Nanoparticle Superstructures Exhibiting Intense Chiroptical Activity. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13655-13663          | 16.4 | 110 |
| 68 | Molecular "surgery" on a 23-gold-atom nanoparticle. <i>Science Advances</i> , <b>2017</b> , 3, e1603193  | 14.3 | 96  |
| 67 | Cyclopentanethiolato-protected Au36(SC5H9)24 nanocluster: crystal structure and implications for the steric and electronic effects of ligand. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 8264-9 | 2.8  | 89  |
| 66 | Establishing Porosity Gradients within Metal-Organic Frameworks Using Partial Postsynthetic Ligand Exchange. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12045-8                        | 16.4 | 88  |
| 65 | Expeditious synthesis and assembly of sub-100 nm hollow spherical gold nanoparticle superstructures. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14033-5                                | 16.4 | 81  |
| 64 | Luminescence "Turn-On" Detection of Gossypol Using Ln-Based Metal-Organic Frameworks and Ln Salts. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2897-2904                                | 16.4 | 78  |

# (2020-2015)

| 63 | Orthogonal Ternary Functionalization of a Mesoporous Metal-Organic Framework via Sequential Postsynthetic Ligand Exchange. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10508-11   | 16.4 | 77 |
|----|--|------|----|
| 62 | Alumina-supported cobalt deninate MOF membranes for CO2/CH4 separation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1239-1241   | 13   | 77 |
| 61 | Rare Earth pcu Metal-Organic Framework Platform Based on RE(EOH)(COO) Clusters: Rational Design, Directed Synthesis, and Deliberate Tuning of Excitation Wavelengths. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9333-9340 | 16.4 | 76 |
| 60 | Locked nucleic acid-nanoparticle conjugates. <i>ChemBioChem</i> , <b>2007</b> , 8, 1230-2  | 3.8  | 72 |
| 59 | Multivariate Stratified Metal-Organic Frameworks: Diversification Using Domain Building Blocks.<br>Journal of the American Chemical Society, <b>2019</b> , 141, 2161-2168  | 16.4 | 64 |
| 58 | Shuttling single metal atom into and out of a metal nanoparticle. <i>Nature Communications</i> , <b>2017</b> , 8, 848  | 17.4 | 60 |
| 57 | Programmable Topology in New Families of Heterobimetallic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6194-6198   | 16.4 | 58 |
| 56 | Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17779-17782  | 16.4 | 57 |
| 55 | Total Structure Determination of Au(S-Adm) and CdAu(S tBu) and Implications for the Structure of Au(SR). <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10988-10994  | 16.4 | 56 |
| 54 | Structure Determination of [Au18(SR)14]. Angewandte Chemie, 2015, 127, 3183-3187   | 3.6  | 53 |
| 53 | Peptide-directed synthesis and assembly of hollow spherical CoPt nanoparticle superstructures. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3993-5   | 16.4 | 52 |
| 52 | Modulating the hierarchical fibrous assembly of Au nanoparticles with atomic precision. <i>Nature Communications</i> , <b>2018</b> , 9, 3871   | 17.4 | 48 |
| 51 | Designing Open Metal Sites in Metal-Organic Frameworks for Paraffin/Olefin Separations. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13003-13007   | 16.4 | 47 |
| 50 | Optically and Chemically Encoded Nanoparticle Materials for DNA and Protein Detection. <i>MRS Bulletin</i> , <b>2005</b> , 30, 376-380   | 3.2  | 43 |
| 49 | Systematic Adjustment of Pitch and Particle Dimensions within a Family of Chiral Plasmonic Gold Nanoparticle Single Helices. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15043-15048  | 16.4 | 41 |
| 48 | Screening and evaluating aminated cationic functional moieties for potential CO(2) capture applications using an anionic MOF scaffold. <i>Chemical Communications</i> , <b>2013</b> , 49, 11385-7  | 5.8  | 41 |
| 47 | A Correlated Series of Au/Ag Nanoclusters Revealing the Evolutionary Patterns of Asymmetric Ag Doping. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14235-14243  | 16.4 | 41 |
| 46 | Construction of Chiral, Helical Nanoparticle Superstructures: Progress and Prospects. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905975   | 24   | 40 |

| 45 | Size-controlled peptide-directed synthesis of hollow spherical gold nanoparticle superstructures. <i>Small</i> , <b>2011</b> , 7, 1938-42  | 11                 | 37 |
|----|--|--------------------|----|
| 44 | Preparation of 1-D nanoparticle superstructures with tailorable thicknesses using gold-binding peptide conjugates. <i>Chemical Communications</i> , <b>2011</b> , 47, 185-7                                      | 5.8                | 37 |
| 43 | Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au(SR)] to [Au(SR)].<br>Journal of Physical Chemistry Letters, <b>2017</b> , 8, 866-870   | 6.4                | 36 |
| 42 | Near infrared excitation and emission in rare earth MOFs encapsulation of organic dyes. <i>Chemical Science</i> , <b>2018</b> , 9, 8099-8102   | 9.4                | 36 |
| 41 | Controlling the Atomic Structure of Au30 Nanoclusters by a Ligand-Based Strategy. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6806-6809  | 3.6                | 31 |
| 40 | Observation of Body-Centered Cubic Gold Nanocluster. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9964-9967   | 3.6                | 30 |
| 39 | Controlling Ag-doping in [AgAu(SCH)] nanoclusters: cryogenic optical, electronic and electrocatalytic properties. <i>Nanoscale</i> , <b>2017</b> , 9, 19183-19190  | 7.7                | 29 |
| 38 | Adjusting the Metrics of 1-D Helical Gold Nanoparticle Superstructures Using Multivalent Peptide Conjugates. <i>Langmuir</i> , <b>2015</b> , 31, 9492-501  | 4                  | 27 |
| 37 | Peptide conjugates for directing the morphology and assembly of 1D nanoparticle superstructures. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 941-5   | 4.8                | 25 |
| 36 | Single-ligand exchange on an Au-Cu bimetal nanocluster and mechanism. <i>Nanoscale</i> , <b>2018</b> , 10, 12093-12  | <u>1</u> 99/9      | 25 |
| 35 | Growth of ZIF-8 on molecularly ordered 2-methylimidazole/single-walled carbon nanotubes to form highly porous, electrically conductive composites. <i>Chemical Science</i> , <b>2019</b> , 10, 737-742           | 9.4                | 24 |
| 34 | Au Ag Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18798-7        | 188 <del>0</del> 2 | 22 |
| 33 | Hollow spherical gold nanoparticle superstructures with tunable diameters and visible to near-infrared extinction. <i>Nanoscale</i> , <b>2014</b> , 6, 12328-32  | 7.7                | 22 |
| 32 | Ship-in-a-Bottle Preparation of Long Wavelength Molecular Antennae in Lanthanide Metal-Organic Frameworks for Biological Imaging. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8776-8781 | 16.4               | 22 |
| 31 | Design, Synthesis, and Characterization of Metal®rganic Frameworks for Enhanced Sorption of Chemical Warfare Agent Simulants. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19748-19758            | 3.8                | 21 |
| 30 | Tuning the Structure and Chiroptical Properties of Gold Nanoparticle Single Helices via Peptide Sequence Variation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15710-15716             | 16.4               | 18 |
| 29 | Atom-by-Atom Evolution of the Same Ligand-Protected Au, Au, AuCd, and Au Nanocluster Series.<br>Journal of the American Chemical Society, <b>2020</b> ,  | 16.4               | 17 |
| 28 | Mixed Matrix Membranes from a Microporous Polymer Blend and Nanosized Metal©rganic Frameworks with Exceptional CO2/N2 Separation Performance <b>2020</b> , 2, 821-828  |                    | 14 |

### (2017-2005)

| 27 | Sacrificial Biological Templates for the Formation of Nanostructured Metallic Microshells. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 5192-5195   | 3.6                 | 14 |   |
|----|--|---------------------|----|---|
| 26 | Polyphosphazene polymer development for mixed matrix membranes using SIFSIX-Cu-2i as performance enhancement filler particles. <i>Journal of Membrane Science</i> , <b>2017</b> , 535, 103-112                       | 9.6                 | 13 |   |
| 25 | All-Atom Molecular Dynamics Simulations of Peptide Amphiphile Assemblies That Spontaneously Form Twisted and Helical Ribbon Structures. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2170-2174    | 6.4                 | 12 |   |
| 24 | Au130NAgx Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18974-18978                           | 3.6                 | 12 |   |
| 23 | Doping Effect on the Magnetism of Thiolate-Capped 25-Atom Alloy Nanoclusters. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9238-9244  | 9.6                 | 10 | • |
| 22 | Modeling of Diffusion of Acetone in UiO-66. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 28469-28478  | 3.8                 | 10 |   |
| 21 | Ligand Exchange for Controlling the Surface Chemistry and Properties of Nanoparticle Superstructures. <i>ChemNanoMat</i> , <b>2017</b> , 3, 745-749  | 3.5                 | 9  |   |
| 20 | H/CO separations in multicomponent metal-adeninate MOFs with multiple chemically distinct pore environments. <i>Chemical Science</i> , <b>2020</b> , 11, 12807-12815   | 9.4                 | 9  |   |
| 19 | Deliberate Introduction of Particle Anisotropy in Helical Gold Nanoparticle Superstructures. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800504                                       | 3.1                 | 8  |   |
| 18 | Loading and triggered release of cargo from hollow spherical gold nanoparticle superstructures. <i>RSC Advances</i> , <b>2015</b> , 5, 76291-76295   | 3.7                 | 8  |   |
| 17 | Effect of countercation on the water stability of an anionic metal®rganic framework.<br>CrystEngComm, <b>2017</b> , 19, 5417-5421  | 3.3                 | 8  |   |
| 16 | Breast Cancer Targeting of a Drug Delivery System through Postsynthetic Modification of Curcumin@N-bio-MOF-100 via Click Chemistry. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11739-11744                       | 5.1                 | 8  |   |
| 15 | Peptide-Directed Synthesis and Assembly of Hollow Spherical CoPt Nanoparticle Superstructures. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4085-4087   | 3.6                 | 7  |   |
| 14 | Heteroatom Tracing Reveals the 30-Atom Au-Ag Bimetallic Nanocluster as a Dimeric Structure.<br>Journal of Physical Chemistry Letters, <b>2020</b> , 11, 7307-7312  | 6.4                 | 7  |   |
| 13 | One Approach for Two: Toward the Creation of Near-Infrared Imaging Agents and Rapid Screening of Lanthanide(III) Ion Sensitizers Using Polystyrene Nanobeads <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 166 | 7 <del>-</del> 4675 | 6  |   |
| 12 | Fundamental Insights into the Reactivity and Utilization of Open Metal Sites in Cu(I)-MFU-4l. <i>Organometallics</i> , <b>2019</b> , 38, 3453-3459   | 3.8                 | 6  |   |
| 11 | Ternary gradient metal-organic frameworks. <i>Faraday Discussions</i> , <b>2017</b> , 201, 163-174   | 3.6                 | 5  |   |
| 10 | Triblock peptide-oligonucleotide chimeras (POCs): programmable biomolecules for the assembly of morphologically tunable and responsive hybrid materials. <i>Chemical Communications</i> , <b>2017</b> , 53, 12221-1. | 2 <del>2</del> 284  | 5  |   |

| 9 | Leveraging Peptide Sequence Modification to Promote Assembly of Chiral Helical Gold Nanoparticle Superstructures. <i>Biochemistry</i> , <b>2021</b> , 60, 1044-1049                                     | 3.2  | 5 |
|---|---|------|---|
| 8 | Interplay between Intrinsic Thermal Stability and Expansion Properties of Functionalized UiO-67 Metal Drganic Frameworks. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 910-920                     | 9.6  | 4 |
| 7 | Gold Superstructures: Size-Controlled Peptide-Directed Synthesis of Hollow Spherical Gold Nanoparticle Superstructures (Small 14/2011). <i>Small</i> , <b>2011</b> , 7, 1938-1938                       | 11   | 3 |
| 6 | Heterogeneous Growth of UiO-66-NH on Oxidized Single-Walled Carbon Nanotubes to Form "Beads-on-a-String" Composites. <i>ACS Applied Materials &amp; Amp; Interfaces</i> , <b>2021</b> , 13, 15482-15489 | 9.5  | 3 |
| 5 | Tuning the Lewis acidity of metal-organic frameworks for enhanced catalysis. <i>Dalton Transactions</i> , <b>2021</b> , 50, 3116-3120   | 4.3  | 3 |
| 4 | Size Discrimination of Carbohydrates via Conductive Carbon Nanotube@Metal Organic Framework Composites. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8022-8033                  | 16.4 | 2 |
| 3 | The Emergence of Compositional Complexity and Anisotropy in Metal-Organic Frameworks. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 187-188                                      | 2.2  | 2 |
| 2 | MOFs Constructed from Biomolecular Building Blocks <b>2021</b> , 291-320  |      | 1 |

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