

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.

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|--------------------|--------------------------|----------------|-----------------|
| 324 papers | 10,621 citations | 58 h-index | 86 g-index |
| 335 ext. papers | 12,334 ext. citations | 6.1 avg, IF | 6.42 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 324 | Combination of bioinspiration: a general route to superhydrophobic particles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9879-81 | 16.4 | 358 |
| 323 | Dynamic Self-Assembly Induced Rapid Dissolution of Cellulose at Low Temperatures. <i>Macromolecules</i> , 2008 , 41, 9345-9351 | 5.5 | 322 |
| 322 | Bioinspired modification of h-BN for high thermal conductive composite films with aligned structure. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5701-8 | 9.5 | 294 |
| 321 | Multi-membrane hydrogel fabricated by facile dynamic self-assembly. <i>Soft Matter</i> , 2009 , 5, 1987 | 3.6 | 193 |
| 320 | Oxime-Based and Catalyst-Free Dynamic Covalent Polyurethanes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8678-8684 | 16.4 | 192 |
| 319 | Fabrication of Biomimetic Superhydrophobic Coating with a Micro-Nano-Binary Structure. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1075-1080 | 4.8 | 183 |
| 318 | Mussel-inspired chemistry for robust and surface-modifiable multilayer films. <i>Langmuir</i> , 2011 , 27, 13684-13691 | 11 | 159 |
| 317 | Superhydrophobic Surface from Vapor-Induced Phase Separation of Copolymer Micellar Solution. <i>Macromolecules</i> , 2005 , 38, 8996-8999 | 5.5 | 157 |
| 316 | 1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe ₂ @C core-shell nanorods for advanced sodium ion batteries. <i>Energy Storage Materials</i> , 2018 , 10, 48-55 | 19.4 | 150 |
| 315 | Bioinspired materials: from low to high dimensional structure. <i>Advanced Materials</i> , 2014 , 26, 6994-7017 | 24 | 150 |
| 314 | Hierarchical nanocomposite of polyaniline nanorods grown on the surface of carbon nanotubes for high-performance supercapacitor electrode. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2774-2780 | | 145 |
| 313 | Influence of modifier (Mn, La, Ce, Zr and Y) on the performance of Cu/Zn/Al catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Applied Catalysis A: General</i> , 2013 , 468, 442-452 | 5.1 | 142 |
| 312 | Mitochondria-Targeted Fluorescent Probe for Imaging Hydrogen Peroxide in Living Cells. <i>Analytical Chemistry</i> , 2016 , 88, 1455-61 | 7.8 | 130 |
| 311 | Mussel inspired modification of polypropylene separators by catechol/polyamine for Li-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5602-8 | 9.5 | 117 |
| 310 | Vacuum-dried robust bridged silsesquioxane aerogels. <i>Advanced Materials</i> , 2013 , 25, 4494-7 | 24 | 110 |
| 309 | Stretchable supramolecular hydrogels with triple shape memory effect. <i>Chemical Science</i> , 2016 , 7, 6715-6720 | 14 | 107 |
| 308 | Study on Structure and Orientation Action of Polyurethane Nanocomposites. <i>Macromolecules</i> , 2004 , 37, 5615-5623 | 5.5 | 106 |

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| 307 | Intelligent rubber with tailored properties for self-healing and shape memory. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12864-12872 | 13 | 104 |
| 306 | A Conductive and Highly Deformable All-Pseudocapacitive Composite Paper as Supercapacitor Electrode with Improved Areal and Volumetric Capacitance. <i>Small</i> , 2018 , 14, e1803786 | 11 | 104 |
| 305 | Investigation on sound absorption properties of kapok fibers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 521-529 | 3.5 | 103 |
| 304 | Cellulose/silver nanoparticles composite microspheres: eco-friendly synthesis and catalytic application. <i>Cellulose</i> , 2012 , 19, 1239-1249 | 5.5 | 100 |
| 303 | Fabrication of Stable Hollow Capsules by Covalent Layer-by-Layer Self-Assembly. <i>Macromolecules</i> , 2003 , 36, 4238-4240 | 5.5 | 99 |
| 302 | A lotus-leaf-like superhydrophobic surface prepared by solvent-induced crystallization. <i>ChemPhysChem</i> , 2006 , 7, 824-7 | 3.2 | 92 |
| 301 | Facile in situ synthesis of silver nanoparticles on boron nitride nanosheets with enhanced catalytic performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16663-16669 | 13 | 86 |
| 300 | Smart enrichment and facile separation of oil from emulsions and mixtures by superhydrophobic/superoleophilic particles. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10475-81 | 9.5 | 84 |
| 299 | Facile fabrication of robust superhydrophobic porous materials and their application in oil/water separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23252-23260 | 13 | 84 |
| 298 | A water-soluble BODIPY derivative as a highly selective "Turn-On" fluorescent sensor for H ₂ O ₂ sensing in vivo. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 58-63 | 11.8 | 82 |
| 297 | A novel and facile method to prepare porous hollow CuO and Cu nanofibers based on electrospinning. <i>CrystEngComm</i> , 2011 , 13, 4856 | 3.3 | 82 |
| 296 | Rapid sintering of silver nanoparticles in an electrolyte solution at room temperature and its application to fabricate conductive silver films using polydopamine as adhesive layers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4875 | | 82 |
| 295 | Electrically conductive, mechanically robust, pH-sensitive graphene/polymer composite hydrogels. <i>Composites Science and Technology</i> , 2016 , 127, 119-126 | 8.6 | 80 |
| 294 | Superelastic and ultralight polyimide aerogels as thermal insulators and particulate air filters. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 828-832 | 13 | 80 |
| 293 | Fabrication of oriented hBN scaffolds for thermal interface materials. <i>RSC Advances</i> , 2016 , 6, 16489-16494 | 3.7 | 79 |
| 292 | Evaporation of sessile water droplets on superhydrophobic natural lotus and biomimetic polymer surfaces. <i>ChemPhysChem</i> , 2006 , 7, 2067-70 | 3.2 | 78 |
| 291 | 3D conductive network-based free-standing PANI/BGO/MWNTs hybrid film for high-performance flexible supercapacitor. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12340-12347 | 13 | 77 |
| 290 | SnS Nanosheets Coating on Nanohollow Cubic CoS /C for Ultralong Life and High Rate Capability Half/Full Sodium-Ion Batteries. <i>Small</i> , 2018 , 14, e1802716 | 11 | 77 |

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|-----|---|------|----|
| 289 | Preparation and activity of Cu/Zn/Al/Zr catalysts via hydrotalcite-containing precursors for methanol synthesis from CO ₂ hydrogenation. <i>Catalysis Science and Technology</i> , 2012 , 2, 1447 | 5.5 | 76 |
| 288 | Mussel-inspired multifunctional supramolecular hydrogels with self-healing, shape memory and adhesive properties. <i>Polymer Chemistry</i> , 2016 , 7, 5343-5346 | 4.9 | 76 |
| 287 | Fabrication and application of superhydrophilic surfaces: a review. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 769-790 | 2 | 75 |
| 286 | Phase change materials of paraffin in h-BN porous scaffolds with enhanced thermal conductivity and form stability. <i>Energy and Buildings</i> , 2018 , 158, 1184-1188 | 7 | 75 |
| 285 | The synthesis of glycerol carbonate from glycerol and CO ₂ over La ₂ O ₂ CO ₃ /ZnO catalysts. <i>Catalysis Science and Technology</i> , 2013 , 3, 2801 | 5.5 | 74 |
| 284 | Preparation of porous polyacrylonitrile fibers by electrospinning a ternary system of PAN/DMF/H ₂ O. <i>Materials Letters</i> , 2010 , 64, 2407-2409 | 3.3 | 74 |
| 283 | Synthesis of glycerol carbonate by direct carbonylation of glycerol with CO ₂ over solid catalysts derived from Zn/Al/La and Zn/Al/La/M (M = Li, Mg and Zr) hydrotalcites. <i>Catalysis Science and Technology</i> , 2015 , 5, 989-1005 | 5.5 | 70 |
| 282 | Synthesis of Dimethyl Carbonate from Urea and Methanol over ZnO. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7596-7599 | 3.9 | 70 |
| 281 | Chemically modified kapok fiber for fast adsorption of Pb ²⁺ , Cd ²⁺ , Cu ²⁺ from aqueous solution. <i>Cellulose</i> , 2013 , 20, 849-860 | 5.5 | 69 |
| 280 | Intracellular fluorescent temperature probe based on triarylboron substituted poly N-isopropylacrylamide and energy transfer. <i>Analytical Chemistry</i> , 2015 , 87, 3694-8 | 7.8 | 68 |
| 279 | Recyclable polybutadiene elastomer based on dynamic imine bond. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2011-2018 | 2.5 | 67 |
| 278 | Antifogging and antireflective silica film and its application on solar modules. <i>Surface and Coatings Technology</i> , 2011 , 206, 1490-1494 | 4.4 | 67 |
| 277 | Yttrium oxide modified Cu/ZnO/Al ₂ O ₃ catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2015 , 5, 4365-4377 | 5.5 | 66 |
| 276 | Robust superhydrophobic bridged silsesquioxane aerogels with tunable performances and their applications. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2016-24 | 9.5 | 65 |
| 275 | A Bodipy-based derivative for selective fluorescence sensing of homocysteine and cysteine. <i>New Journal of Chemistry</i> , 2011 , 35, 61-64 | 3.6 | 63 |
| 274 | A rapid response "Turn-On" fluorescent probe for nitroreductase detection and its application in hypoxic tumor cell imaging. <i>Analyst, The</i> , 2015 , 140, 574-81 | 5 | 61 |
| 273 | Superhydrophobic/Superhydrophilic Janus Fabrics Reducing Blood Loss. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701086 | 10.1 | 60 |
| 272 | A bottom-up approach to fabricate patterned surfaces with asymmetrical TiO ₂ microparticles trapped in the holes of honeycomblke polymer film. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3736-9 | 16.4 | 60 |

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|-----|---|------|----|
| 271 | Fabrication and Properties of Cellulose Hydrated Membrane with Unique Structure. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 594-602 | 2.6 | 60 |
| 270 | High-Thermal- and Air-Stability Cathode Material with Concentration-Gradient Buffer for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42829-42835 | 9.5 | 59 |
| 269 | Double-network hydrogel with high mechanical strength prepared from two biocompatible polymers. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3063-3070 | 2.9 | 59 |
| 268 | The Properties of Individual Carbon Residuals and Their Influence on The Deactivation of Ni γ -Al γ -ZrO $_2$ Catalysts in CH $_4$ Dry Reforming. <i>ChemCatChem</i> , 2014 , 6, 640-648 | 5.2 | 58 |
| 267 | A small-angle X-ray scattering study and molecular dynamics simulation of microvoid evolution during the tensile deformation of carbon fibers. <i>Carbon</i> , 2012 , 50, 235-243 | 10.4 | 58 |
| 266 | High-Yield Synthesis of Dimethyl Carbonate from Urea and Methanol Using a Catalytic Distillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 2683-2687 | 3.9 | 56 |
| 265 | Formation of Gold Nanoparticles in the Presence of o-Anisidine and the Dependence of the Structure of Poly(o-anisidine) on Synthetic Conditions. <i>Langmuir</i> , 2002 , 18, 9010-9016 | 4 | 55 |
| 264 | Highly stable mesoporous NiO γ -ZrO $_2$ -Al $_2$ O $_3$ catalysts for CO $_2$ reforming of methane: effect of Ni embedding and Y $_2$ O $_3$ promotion. <i>Catalysis Science and Technology</i> , 2016 , 6, 449-459 | 5.5 | 54 |
| 263 | Recyclable, Self-Healing, Thermadapt Triple-Shape Memory Polymers Based on Dual Dynamic Bonds. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9833-9841 | 9.5 | 52 |
| 262 | The bi-functional mechanism of CH $_4$ dry reforming over a Ni γ -Al γ -ZrO $_2$ catalyst: further evidence via the identification of the active sites and kinetic studies. <i>Catalysis Science and Technology</i> , 2013 , 3, 2435 | 5.5 | 52 |
| 261 | Design and Control of Dimethyl Carbonate γ -Methanol Separation via Pressure-Swing Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11463-11478 | 3.9 | 52 |
| 260 | Robust Polypropylene Fabrics Super-Repelling Various Liquids: A Simple, Rapid and Scalable Fabrication Method by Solvent Swelling. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13996-4003 | 9.5 | 51 |
| 259 | Grafting of Amines on Ethanol-Extracted SBA-15 for CO Adsorption. <i>Materials</i> , 2013 , 6, 981-999 | 3.5 | 51 |
| 258 | The influence of pH on a hydrogen-bonded assembly film. <i>Soft Matter</i> , 2007 , 3, 463-469 | 3.6 | 50 |
| 257 | CaO γ -ZrO $_2$ Solid Solution: A Highly Stable Catalyst for the Synthesis of Dimethyl Carbonate from Propylene Carbonate and Methanol. <i>Catalysis Letters</i> , 2005 , 105, 253-257 | 2.8 | 50 |
| 256 | Sound absorption behavior of electrospun polyacrylonitrile nanofibrous membranes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 650-657 | 3.5 | 49 |
| 255 | Solution properties of a thermosensitive triblock copolymer of N-alkyl substituted acrylamides. <i>Langmuir</i> , 2009 , 25, 1699-704 | 4 | 47 |
| 254 | Microgel-Enhanced Double Network Hydrogel Electrode with High Conductivity and Stability for Intrinsically Stretchable and Flexible All-Gel-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19323-19330 | 9.5 | 46 |

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| 253 | Aerogels Derived from Polymer Nanofibers and Their Applications. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700724 | 4.8 | 45 |
| 252 | Influence of fluorine on the performance of fluorine-modified Cu/Zn/Al catalysts for CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2013 , 2, 16-23 | 7.6 | 45 |
| 251 | Pyrolysis of polymethylsilsesquioxane. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 1077-1086 | 2.9 | 45 |
| 250 | Dynamic multiphase semi-crystalline polymers based on thermally reversible pyrazole-urea bonds. <i>Nature Communications</i> , 2019 , 10, 4753 | 17.4 | 44 |
| 249 | ABA Type Triblock Copolymer Based on Mesogen-Jacketed Liquid Crystalline Polymer: Design, Synthesis, and Potential as Thermoplastic Elastomer. <i>Macromolecules</i> , 2004 , 37, 7610-7618 | 5.5 | 44 |
| 248 | Bio-inspired hollow activated carbon microtubes derived from willow catkins for supercapacitors with high volumetric performance. <i>Materials Letters</i> , 2016 , 174, 249-252 | 3.3 | 43 |
| 247 | Recyclable Polydimethylsiloxane Network Crosslinked by Dynamic Transesterification Reaction. <i>Scientific Reports</i> , 2017 , 7, 11833 | 4.9 | 43 |
| 246 | Kinetics and thermal properties of epoxy resins based on bisphenol fluorene structure. <i>European Polymer Journal</i> , 2009 , 45, 1941-1948 | 5.2 | 43 |
| 245 | One step preparation of superhydrophobic polymeric surface with polystyrene under ambient atmosphere. <i>Journal of Colloid and Interface Science</i> , 2008 , 322, 1-5 | 9.3 | 43 |
| 244 | Multistep Thermosensitivity of Poly(N-n-propylacrylamide)-block-poly(N-isopropylacrylamide)-block-poly(N,N-ethylmethacrylamide) Triblock Terpolymers in Aqueous Solutions As Studied by Static and Dynamic Light Scattering. <i>Macromolecules</i> , 2009 , 42, 2715-2720 | 5.5 | 42 |
| 243 | Superstretchable Dynamic Polymer Networks. <i>Advanced Materials</i> , 2019 , 31, e1904029 | 24 | 41 |
| 242 | Electromechanical polyaniline/cellulose hydrogels with high compressive strength. <i>Soft Matter</i> , 2013 , 9, 10129 | 3.6 | 41 |
| 241 | From zinc-cyanide hybrid coordination polymers to hierarchical yolk-shell structures for high-performance and ultra-stable lithium-ion batteries. <i>Nano Energy</i> , 2017 , 33, 168-176 | 17.1 | 40 |
| 240 | Cellular graphene aerogel combines ultralow weight and high mechanical strength: A highly efficient reactor for catalytic hydrogenation. <i>Scientific Reports</i> , 2016 , 6, 25830 | 4.9 | 40 |
| 239 | Water uptake behavior of hydrogen-bonded PVPON-PAA LBL film. <i>Soft Matter</i> , 2006 , 2, 699-704 | 3.6 | 40 |
| 238 | Chromogenic, Fluorescent, and Redox Sensors for Multichannel Imaging and Detection of Hydrogen Peroxide in Living Cell Systems. <i>Analytical Chemistry</i> , 2018 , 90, 10152-10158 | 7.8 | 39 |
| 237 | Salt-induced erosion of hydrogen-bonded layer-by-layer assembled films. <i>Soft Matter</i> , 2009 , 5, 860-867 | 3.6 | 39 |
| 236 | Multifunctional polymethylsilsesquioxane (PMSQ) surfaces prepared by electrospinning at the sol-gel transition: superhydrophobicity, excellent solvent resistance, thermal stability and enhanced sound absorption property. <i>Journal of Colloid and Interface Science</i> , 2011 , 359, 296-303 | 9.3 | 38 |

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| 235 | Bioinspired "Skin" with Cooperative Thermo-Optical Effect for Daytime Radiative Cooling. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25286-25293 | 9.5 | 37 |
| 234 | Highly Elastic Fibers Made from Hydrogen-Bonded Polymer Complex. <i>ACS Macro Letters</i> , 2016 , 5, 814-818 | 8.6 | 37 |
| 233 | Improving the stability of LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ by AlPO ₄ nanocoating for lithium-ion batteries. <i>Science China Chemistry</i> , 2017 , 60, 1230-1235 | 7.9 | 37 |
| 232 | Investigation of pH sensitivity of poly(acrylic acid-co-acrylamide) hydrogel. <i>Polymer International</i> , 2003 , 52, 1153-1157 | 3.3 | 37 |
| 231 | Effect of various alkaline agents on the size and morphology of nano-sized HKUST-1 for CO ₂ adsorption. <i>RSC Advances</i> , 2015 , 5, 27901-27911 | 3.7 | 36 |
| 230 | Controlled Synthesis of Co@N-Doped Carbon by Pyrolysis of ZIF with 2-Aminobenzimidazole Ligand for Enhancing Oxygen Reduction Reaction and the Application in Zn-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11693-11701 | 9.5 | 36 |
| 229 | Multiple stimuli-responsive selenium-functionalized biodegradable starch-based hydrogels. <i>Soft Matter</i> , 2018 , 14, 921-926 | 3.6 | 36 |
| 228 | Preparation, Stabilization and Carbonization of a Novel Polyacrylonitrile-Based Carbon Fiber Precursor. <i>Polymers</i> , 2019 , 11, | 4.5 | 36 |
| 227 | Surface-modified Improvement in Catalytic Performance of Cr(salen) Complexes Immobilized on MCM-41 in Solvent-Free Selective Oxidation of Benzyl Alcohol. <i>Catalysis Letters</i> , 2007 , 119, 87-94 | 2.8 | 36 |
| 226 | Fabrication and Characterization of an Organic-Inorganic Gradient Surface made by Polymethylsilsesquioxane (PMSQ). <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1603-1607 | 4.8 | 36 |
| 225 | A novel "Turn-On" fluorescent probe for F(-) detection in aqueous solution and its application in live-cell imaging. <i>Analytica Chimica Acta</i> , 2014 , 849, 36-42 | 6.6 | 35 |
| 224 | Citrate modified ferrihydrite microstructures: facile synthesis, strong adsorption and excellent Fenton-like catalytic properties. <i>RSC Advances</i> , 2014 , 4, 21575-21583 | 3.7 | 35 |
| 223 | Micro-nano hierarchically structured nylon 6,6 surfaces with unique wettability. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 116-9 | 9.3 | 35 |
| 222 | Low-cost mussel inspired poly(catechol/polyamine) coating with superior anti-corrosion capability on copper. <i>Journal of Colloid and Interface Science</i> , 2016 , 463, 214-21 | 9.3 | 34 |
| 221 | Nanoscale dynamic mechanical imaging of the skin pore difference: From PAN precursors to carbon fibers. <i>Materials Letters</i> , 2014 , 128, 417-420 | 3.3 | 34 |
| 220 | Dual-functional fluorescent probe responds to hypochlorous acid and SO derivatives with different fluorescence signals. <i>Talanta</i> , 2017 , 165, 625-631 | 6.2 | 33 |
| 219 | Modified Zinc Oxide for the Direct Synthesis of Propylene Carbonate from Propylene Glycol and Carbon dioxide. <i>Catalysis Letters</i> , 2007 , 118, 290-294 | 2.8 | 33 |
| 218 | Enhanced thermochemical CO ₂ splitting over Mg- and Ca-doped ceria/zirconia solid solutions. <i>RSC Advances</i> , 2014 , 4, 5583 | 3.7 | 32 |

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| 217 | Facile preparation of hollow amino-functionalized organosilica microspheres by a template-free method. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18010 | | 31 |
| 216 | Transport of Glucose and Poly(ethylene glycol)s in Agarose Gels Studied by the Refractive Index Method. <i>Macromolecules</i> , 2005 , 38, 5236-5242 | 5.5 | 31 |
| 215 | Amphiphilic Graphene Aerogel with High Oil and Water Adsorption Capacity and High Contact Area for Interface Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22794-22800 | 9.5 | 30 |
| 214 | Reversible swelling-shrinking behavior of hydrogen-bonded free-standing thin film stabilized by catechol reaction. <i>Langmuir</i> , 2015 , 31, 5147-54 | 4 | 29 |
| 213 | Ultrahigh-Strength Ultrahigh Molecular Weight Polyethylene (UHMWPE)-Based Fiber Electrode for High Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1707351 | 15.6 | 29 |
| 212 | Fabrication of RGO-NiCoO nanorods composite from deep eutectic solvents for nonenzymatic amperometric sensing of glucose. <i>Talanta</i> , 2018 , 185, 335-343 | 6.2 | 29 |
| 211 | A Simple Approach for Fabricating a Superhydrophobic Surface Based on Poly(Methyl Methacrylate). <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 1841-1852 | 2 | 29 |
| 210 | Cu/Mn/ZrO ₂ catalyst for alcohol synthesis by Fischer-Tropsch modified elements. <i>Reaction Kinetics and Catalysis Letters</i> , 2002 , 75, 297-304 | | 29 |
| 209 | Dynamic cross-links to facilitate recyclable polybutadiene elastomer with excellent toughness and stretchability. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1357-1366 | 2.5 | 28 |
| 208 | CO ₂ splitting via two step thermochemical reactions over doped ceria/zirconia solid solutions. <i>RSC Advances</i> , 2013 , 3, 18878 | 3.7 | 28 |
| 207 | Liquid marble-derived solid-liquid hybrid superparticles for CO capture. <i>Nature Communications</i> , 2019 , 10, 1854 | 17.4 | 27 |
| 206 | Performance of the LaMnZnCuO Based Perovskite Precursors for Methanol Synthesis from CO ₂ Hydrogenation. <i>Catalysis Letters</i> , 2015 , 145, 1177-1185 | 2.8 | 27 |
| 205 | Antimonene Engineered Highly Deformable Freestanding Electrode with Extraordinarily Improved Energy Storage Performance. <i>Advanced Energy Materials</i> , 2019 , 9, 1902462 | 21.8 | 27 |
| 204 | Carbon Dioxide Capture by MgO-modified MCM-41 Materials. <i>Adsorption Science and Technology</i> , 2009 , 27, 593-601 | 3.6 | 27 |
| 203 | Complex of polyelectrolyte network with surfactant as novel shape memory networks. <i>Chemical Communications</i> , 2001 , 1694-5 | 5.8 | 27 |
| 202 | A mitochondria-targeting nitroreductase fluorescent probe with large Stokes shift and long-wavelength emission for imaging hypoxic status in tumor cells. <i>Analytica Chimica Acta</i> , 2020 , 1103, 202-211 | 6.6 | 27 |
| 201 | Fire-resistant, ultralight, superelastic and thermally insulated polybenzazole aerogels. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20769-20777 | 13 | 27 |
| 200 | Functional bacterial cellulose membranes with 3D porous architectures: Conventional drying, tunable wettability and water/oil separation. <i>Journal of Membrane Science</i> , 2019 , 591, 117312 | 9.6 | 26 |

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|-----|--|------|----|
| 199 | Recent progress in phosgene-free methods for synthesis of dimethyl carbonate. <i>Pure and Applied Chemistry</i> , 2011 , 84, 603-620 | 2.1 | 26 |
| 198 | Fabrication of honeycomb-patterned polyalkylcyanoacrylate films from monomer solution by breath figures method. <i>Journal of Colloid and Interface Science</i> , 2010 , 350, 253-9 | 9.3 | 26 |
| 197 | Effective synthesis of propylene carbonate from propylene glycol and carbon dioxide by alkali carbonates. <i>Catalysis Letters</i> , 2006 , 112, 187-191 | 2.8 | 26 |
| 196 | Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO ₂ . <i>Chemical Communications</i> , 2004 , 2190-1 | 5.8 | 26 |
| 195 | Ultra Water Repellent Polypropylene Surfaces with Tunable Water Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10224-10232 | 9.5 | 25 |
| 194 | Facile preparation of poly(ethyl alpha-cyanoacrylate) superhydrophobic and gradient wetting surfaces. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 93-7 | 9.3 | 25 |
| 193 | Nitrogen-functionalized reduced graphene oxide as carbocatalysts with enhanced activity for polyaromatic hydrocarbon hydrogenation. <i>Catalysis Science and Technology</i> , 2017 , 7, 1217-1226 | 5.5 | 24 |
| 192 | Biomimetic Polymer Film with Brilliant Brightness Using a One-Step Water Vapor-Induced Phase Separation Method. <i>Advanced Functional Materials</i> , 2019 , 29, 1808885 | 15.6 | 24 |
| 191 | Cocatalyst designing: a binary noble-metal-free cocatalyst system consisting of ZnInS and In(OH) for efficient visible-light photocatalytic water splitting.. <i>RSC Advances</i> , 2018 , 8, 4979-4986 | 3.7 | 24 |
| 190 | Facile fabrication of golf ball-like hollow microspheres of organic-inorganic silica. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13056 | | 24 |
| 189 | Annealing of supporting layer to develop nanofiltration membrane with high thermal stability and ion selectivity. <i>Journal of Membrane Science</i> , 2015 , 476, 475-482 | 9.6 | 23 |
| 188 | Influence of element doping on LaMnCuO ₃ based perovskite precursors for methanol synthesis from CO ₂ /H ₂ . <i>RSC Advances</i> , 2014 , 4, 48888-48896 | 3.7 | 23 |
| 187 | Synthesis and Low-Temperature CO ₂ Capture Properties of a Novel Mg ₂ Zr Solid Sorbent. <i>Energy & Fuels</i> , 2013 , 27, 5407-5415 | 4.1 | 23 |
| 186 | Preparation of kapok-polyacrylonitrile core-shell composite microtube and its application as gold nanoparticles carrier. <i>Applied Surface Science</i> , 2012 , 258, 2876-2882 | 6.7 | 23 |
| 185 | Effect of Pt Impregnation on a Precipitated Iron-based Fischer-Tropsch Synthesis Catalyst. <i>Catalysis Letters</i> , 2008 , 125, 116-122 | 2.8 | 23 |
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