

# Yuming Zhou

## List of Publications by Citations

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371  
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9,104  
ext. citations

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#	Paper	IF	Citations
354	Facile Photochemical Synthesis of Au/Pt/g-C <sub>3</sub> N <sub>4</sub> with Plasmon-Enhanced Photocatalytic Activity for Antibiotic Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9630-7	9.5	472
353	Highly Cuboid-Shaped Heterobimetallic Metal-Organic Frameworks Derived from Porous Co/ZnO/C Microrods with Improved Electromagnetic Wave Absorption Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29136-29144	9.5	178
352	Photochemical synthesis of ZnO/Ag <sub>2</sub> O heterostructures with enhanced ultraviolet and visible photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7272-7280	13	154
351	Facile one-step synthesis of hollow mesoporous g-C <sub>3</sub> N <sub>4</sub> spheres with ultrathin nanosheets for photoredox water splitting. <i>Carbon</i> , <b>2018</b> , 126, 247-256	10.4	153
350	Propane dehydrogenation on PtSn/ZSM-5 catalyst: Effect of tin as a promoter. <i>Catalysis Communications</i> , <b>2006</b> , 7, 860-866	3.2	136
349	Adsorption of fluoride from aqueous solution on La <sup>3+</sup> -impregnated cross-linked gelatin. <i>Separation and Purification Technology</i> , <b>2004</b> , 36, 89-94	8.3	127
348	One-pot synthesis of K-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Applied Surface Science</i> , <b>2018</b> , 440, 258-265	6.7	110
347	Comparative study of bimetallic Pt-Sn catalysts supported on different supports for propane dehydrogenation. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 381, 138-147		109
346	Synthesis of LiAl Layered Double Hydroxides (LDHs) for Efficient Fluoride Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 11490-11498	3.9	103
345	Hybridizing polypyrrole chains with laminated and two-dimensional Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> toward high-performance electromagnetic wave absorption. <i>Applied Surface Science</i> , <b>2018</b> , 434, 283-293	6.7	96
344	Three-dimensional flower-like phosphorus-doped g-C <sub>3</sub> N <sub>4</sub> with a high surface area for visible-light photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16485-16494	13	96
343	Effect of La addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Applied Catalysis A: General</i> , <b>2007</b> , 333, 202-210	5.1	83
342	Three-Dimensional Hierarchical Architecture of the TiO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /RGO Ternary Composite Aerogel for Enhanced Electromagnetic Wave Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8212-8222	8.3	82
341	Sn-Modified ZSM-5 As Support for Platinum Catalyst in Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 7896-7902	3.9	77
340	Zirconia nanoparticles enhanced grafted collagen tri-helix scaffold for unmediated biosensing of hydrogen peroxide. <i>Langmuir</i> , <b>2006</b> , 22, 8915-9	4	77
339	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1416-1424	8.3	76
338	Synthesis, characterization and infrared emissivity study of polyurethane/TiO <sub>2</sub> nanocomposites. <i>Applied Surface Science</i> , <b>2007</b> , 253, 9154-9158	6.7	76

337	Structure and catalytic properties of the Zn-modified ZSM-5 supported platinum catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 352-361	14.7	74
336	Structure regulation of ZnS@g-C3N4/TiO2 nanospheres for efficient photocatalytic H2 production under visible-light irradiation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 346, 226-237	14.7	64
335	Au-loaded porous graphitic C3N4/graphene layered composite as a ternary plasmonic photocatalyst and its visible-light photocatalytic performance. <i>RSC Advances</i> , <b>2015</b> , 5, 88249-88257	3.7	62
334	Effect of magnesium addition on catalytic performance of PtSnK/Al2O3 catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 1632-1638	7.2	62
333	Effect of Alumina Binder on Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 2213-2219	3.9	62
332	Preparation and infrared emissivity study of collagen-g-PMMA/In2O3 nanocomposite. <i>Materials Letters</i> , <b>2004</b> , 58, 1655-1660	3.3	61
331	Synthesis and properties of polymer containing azo-dye chromophores for nonlinear optical applications. <i>Dyes and Pigments</i> , <b>2007</b> , 75, 454-459	4.6	60
330	Facile Synthesis of Self-Assembled g-C3N4 with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10200-10210	8.3	58
329	Mesoporous cobalt-iron-organic frameworks: a plasma-enhanced oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3090-3100	13	57
328	CdS nanosphere-decorated hollow polyhedral ZCO derived from a metal-organic framework (MOF) for effective photocatalytic water evolution. <i>Nanoscale</i> , <b>2018</b> , 10, 4463-4474	7.7	57
327	Enhanced fluoride removal from water by non-thermal plasma modified CeO2/MgFe layered double hydroxides. <i>Applied Clay Science</i> , <b>2013</b> , 72, 117-123	5.2	57
326	Bio-template synthesis of Mo-doped polymer carbon nitride for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 44-53	21.8	56
325	Self-Assembled 3D Flower-like Composites of Heterobimetallic Phosphides and Carbon for Temperature-Tailored Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38361-38371	9.5	53
324	A highly reactive and magnetic recyclable catalytic system based on AuPt nanoalloys supported on ellipsoidal Fe@SiO2. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4642-4651	13	53
323	Influence of Calcium Addition on Catalytic Properties of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2009</b> , 129, 449-456	2.8	53
322	Rational Construction of TiCT /Co-MOF-Derived Laminated Co/TiO-C Hybrids for Enhanced Electromagnetic Wave Absorption. <i>Langmuir</i> , <b>2018</b> , 34, 15854-15863	4	53
321	Fabrication of porous g-C3N4/Ag/Fe2O3 composites with enhanced visible light photocatalysis performance. <i>RSC Advances</i> , <b>2015</b> , 5, 58738-58745	3.7	50
320	Direct synthesis, characterization and catalytic application of SBA-15 mesoporous silica with heteropolyacid incorporated into their framework. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 187, 7-13	5.3	49

319	Effect of Sodium Addition to PtSn/AlSBA-15 on the Catalytic Properties in Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2011</b> , 141, 120-127	2.8	49
318	Ionic liquid-assisted synthesis of Br-modified g-C <sub>3</sub> N <sub>4</sub> semiconductors with high surface area and highly porous structure for photoredox water splitting. <i>Journal of Power Sources</i> , <b>2017</b> , 370, 106-113	8.9	47
317	Solvothermal fabrication of CoS nanoparticles anchored on reduced graphene oxide for high-performance microwave absorption. <i>Synthetic Metals</i> , <b>2017</b> , 224, 46-55	3.6	46
316	Propane dehydrogenation over PtSnNa/La-doped Al <sub>2</sub> O <sub>3</sub> catalyst: Effect of La content. <i>Fuel Processing Technology</i> , <b>2013</b> , 111, 94-104	7.2	46
315	Effect of K Addition on Catalytic Performance of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2010</b> , 135, 76-82	2.8	46
314	Synthesis of fluorescent-tagged scale inhibitor and evaluation of its calcium carbonate precipitation performance. <i>Desalination</i> , <b>2014</b> , 340, 1-10	10.3	45
313	A facile route for the preparation of ZnO/C composites with high photocatalytic activity and adsorption capacity. <i>CrystEngComm</i> , <b>2014</b> , 16, 4478-4484	3.3	45
312	Synthesis of Ag/ZnO/C plasmonic photocatalyst with enhanced adsorption capacity and photocatalytic activity to antibiotics. <i>RSC Advances</i> , <b>2015</b> , 5, 18832-18840	3.7	44
311	Effect of La calcination temperature on catalytic performance of PtSnNaLa/ZSM-5 catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , <b>2012</b> , 181-182, 530-537	14.7	44
310	Preparation and properties of optically active polyurethane/TiO <sub>2</sub> nanocomposites derived from optically pure 1,1'-binaphthyl. <i>European Polymer Journal</i> , <b>2007</b> , 43, 4151-4159	5.2	44
309	Effect of hydrothermal treatment on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 96, 245-254	5.3	44
308	Synthesis and Characterization of Nonlinear Optical Side-Chain Polyimides Containing the Benzothiazole Chromophores. <i>Macromolecules</i> , <b>2001</b> , 34, 4774-4779	5.5	44
307	Carboxylate-terminated double-hydrophilic block copolymer as an effective and environmental inhibitor in cooling water systems. <i>Desalination</i> , <b>2012</b> , 304, 33-40	10.3	43
306	Fluorescent-tagged no phosphate and nitrogen free calcium phosphate scale inhibitor for cooling water systems. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 1966-1974	2.9	43
305	NiCo hydroxide nanosheets on plasma-reduced Co-based metal-organic nanocages for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4950-4959	13	42
304	Optical diffusers with enhanced properties based on novel polysiloxane@CeO <sub>2</sub> @PMMA fillers. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2223-2230	7.1	42
303	Enhanced visible light photocatalytic performance of g-C <sub>3</sub> N <sub>4</sub> /CuS p-n heterojunctions for degradation of organic dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 348, 168-178	4.7	42
302	Hierarchical Honeycomb Br-, N-Codoped TiO <sub>2</sub> with Enhanced Visible-Light Photocatalytic H <sub>2</sub> Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18796-18804	9.5	42

301	Bio-inspired fabrication of hierarchically porous MgAl composites for enhanced BSA adsorption properties. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 188, 37-45	5.3	41
300	Reagentless biosensor for hydrogen peroxide based on immobilization of protein in zirconia nanoparticles enhanced grafted collagen matrix. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1776-82	11.8	41
299	Well-crystallized mesoporous TiO <sub>2</sub> shells for enhanced photocatalytic activity: prepared by carbon coating and silica-protected calcination. <i>Dalton Transactions</i> , <b>2013</b> , 42, 5004-12	4.3	39
298	Optically active SiO <sub>2</sub> /TiO <sub>2</sub> /polyacetylene multilayered nanospheres: Preparation, characterization, and application for low infrared emissivity. <i>Applied Surface Science</i> , <b>2014</b> , 288, 444-451	6.7	36
297	Effect of zinc addition on catalytic properties of PtSnK/Al <sub>2</sub> O <sub>3</sub> catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2012</b> , 96, 220-227	7.2	36
296	Structure and infrared emissivity of collagen/SiO <sub>2</sub> composite. <i>Applied Surface Science</i> , <b>2008</b> , 254, 5975-5980	8.0	36
295	Enhanced visible-light photocatalytic activity of Ag <sub>2</sub> O/g-C <sub>3</sub> N <sub>4</sub> p-n heterojunctions synthesized via a photochemical route for degradation of tetracycline hydrochloride. <i>RSC Advances</i> , <b>2015</b> , 5, 40000-40006	3.7	35
294	Highly dispersed Pd nanoparticles hybridizing with 3D hollow-sphere g-C <sub>3</sub> N <sub>4</sub> to construct 0D/3D composites for efficient photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , <b>2019</b> , 378, 331-340	7.3	34
293	Hollow Ni-Co layered double hydroxides-derived NiCo-alloy@g-C <sub>3</sub> N <sub>4</sub> microtubule with high-performance microwave absorption. <i>Materials Letters</i> , <b>2018</b> , 231, 171-174	3.3	34
292	Solvothermal synthesis of flower-like CoS hollow microspheres with excellent microwave absorption properties. <i>RSC Advances</i> , <b>2016</b> , 6, 100392-100400	3.7	33
291	Immobilization of 12-tungstophosphoric acid on LaSBA-15 and its catalytic activity for alkylation of o-xylene with styrene. <i>Chemical Engineering Journal</i> , <b>2012</b> , 179, 295-301	14.7	33
290	Synthesis and characterization of a novel Au nanocatalyst with increased thermal stability. <i>Dalton Transactions</i> , <b>2014</b> , 43, 1360-7	4.3	32
289	Biomimetic fabrication of hierarchically structured LDHs/ZnO composites for the separation of bovine serum albumin. <i>Chemical Engineering Journal</i> , <b>2013</b> , 219, 278-285	14.7	32
288	Self-Assembled Mesoporous Carbon Nitride with Tunable Texture for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8291-8299	8.3	32
287	Synthesis of ordered mesoporous LaO-ZrO composites with encapsulated Pt NPs and the effect of La-doping on catalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 503, 178-185	9.3	31
286	Reactable polyelectrolyte-assisted preparation of flower-like Ag/AgCl/BiOCl composite with enhanced photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 350, 94-102	4.7	31
285	Synthesis, characterization and infrared emissivity property of optically active polyurethane derived from tyrosine. <i>Polymer</i> , <b>2011</b> , 52, 3745-3751	3.9	31
284	Novel nonlinearity-transparency-thermal stability trade-off of thiazolylazopyrimidine chromophores for nonlinear optical application. <i>Dyes and Pigments</i> , <b>2009</b> , 80, 6-10	4.6	31

283	Novel multifunctional microspheres of polysiloxane@CeO <sub>2</sub> -PMMA: Optical properties and their application in optical diffusers. <i>Optical Materials</i> , <b>2013</b> , 36, 271-277	3.3	30
282	Hydrogen peroxide biosensor based on hemoglobin modified zirconia nanoparticles-grafted collagen matrix. <i>Analytica Chimica Acta</i> , <b>2007</b> , 582, 361-6	6.6	30
281	Facile synthesis of ZnO nanocomposites with enhanced photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1852-1857	3.6	29
280	Encapsulation of Au nanoparticles with well-crystallized anatase TiO <sub>2</sub> mesoporous hollow spheres for increased thermal stability. <i>RSC Advances</i> , <b>2014</b> , 4, 7313	3.7	29
279	Preparation and characterization of lactate-intercalated CoFe layered double hydroxides and exfoliated nanosheet film with low infrared emissivity. <i>Applied Surface Science</i> , <b>2012</b> , 263, 132-138	6.7	29
278	Synthesis and nonlinear optical properties of soluble fluorinated polyimides containing heteroarylazo chromophores with large hyperpolarizability. <i>Polymer</i> , <b>2009</b> , 50, 3924-3931	3.9	29
277	Effect of calcination temperature on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1009-1016	3.2	29
276	Effects of soft segments on the waterproof of anionic waterborne polyurethane. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 875-881	2.4	28
275	Template-controlled fabrication of hierarchical porous ZnAl composites with tunable micro/nanostructures and chemical compositions. <i>CrystEngComm</i> , <b>2014</b> , 16, 1793	3.3	28
274	Effect of Magnesium Addition to PtSnNa/ZSM-5 on the Catalytic Properties in the Dehydrogenation of Propane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 9885-9891	3.9	28
273	Synthesis of novel ultrasmall Au-loaded magnetic SiO <sub>2</sub> /carbon yolk-shell ellipsoids as highly reactive and recoverable nanocatalysts. <i>Carbon</i> , <b>2017</b> , 121, 602-611	10.4	27
272	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO <sub>2</sub> /mSiO <sub>2</sub> structures as highly reactive and sinter-resistant catalysts. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 488, 196-206	9.3	27
271	Synthesis and infrared emissivity study of collagen-g-PMMA/Ag@TiO <sub>2</sub> composite. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 106, 447-451	4.4	27
270	Ionic liquid-assisted photochemical synthesis of ZnO/Ag <sub>2</sub> O heterostructures with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , <b>2017</b> , 410, 344-353	6.7	26
269	Facile fabrication of a mpg-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> heterojunction photocatalyst with enhanced visible light photoactivity toward organic pollutant degradation. <i>RSC Advances</i> , <b>2015</b> , 5, 64976-64982	3.7	26
268	Influence of Binder on the Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 8142-8147	3.9	26
267	Spider web-like carbonized bacterial cellulose/MoSe <sub>2</sub> nanocomposite with enhanced microwave attenuation performance and tunable absorption bands. <i>Nano Research</i> , <b>2021</b> , 14, 738-746	10	26
266	Interface Coupling of NiTi Layered Double Hydroxide Nanowires and Cobalt-Based Zeolite Organic Frameworks for Efficient Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8255-8264	8.3	25



265	Electromagnetic wave absorption properties in the centimetre-band of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes with diverse etching time. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8078-8088	2.1	25
264	Enhanced mechanical properties of silica nanoparticle-covered cross-linking graphene oxide filled thermoplastic polyurethane composite. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3069-3077	3.6	25
263	Bioinspired, direct synthesis of aqueous CdSe quantum dots for high-sensitive copper(II) ion detection. <i>Dalton Transactions</i> , <b>2013</b> , 42, 15411-20	4.3	25
262	Synthesis of immobilized heteropolyanion-based ionic liquids on mesoporous silica SBA-15 as a heterogeneous catalyst for alkylation. <i>RSC Advances</i> , <b>2014</b> , 4, 30697-30703	3.7	24
261	Synthesis and characterization of hollow ZrO <sub>2</sub> /TiO <sub>2</sub> /Au spheres as a highly thermal stability nanocatalyst. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 497, 23-32	9.3	23
260	Synthesis and characterization of porous TiO <sub>2</sub> -NS/Pt/GO aerogel: A novel three-dimensional composite with enhanced visible-light photoactivity in degradation of chlortetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 346, 1-9	4.7	23
259	Fabrication of sandwich-structured g-C <sub>3</sub> N <sub>4</sub> /Au/BiOCl Z-scheme photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 6008-6020	4.3	23
258	Preparation of porous g-C <sub>3</sub> N <sub>4</sub> /Ag/Cu <sub>2</sub> O: a new composite with enhanced visible-light photocatalytic activity. <i>Applied Organometallic Chemistry</i> , <b>2016</b> , 30, 932-938	3.1	23
257	Influence of Lanthanum Addition on Catalytic Properties of PtSnK/Al <sub>2</sub> O <sub>3</sub> Catalyst for Isobutane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4280-4285	3.9	23
256	Preparation, morphological and thermal stability of polyimide/silica hybrid material containing dye NBDPA. <i>Dyes and Pigments</i> , <b>2006</b> , 71, 37-42	4.6	23
255	Flower-like CoS hierarchitectures@polyaniline organic-inorganic heterostructured composites: Preparation and enhanced microwave absorption performance. <i>Composites Science and Technology</i> , <b>2020</b> , 200, 108403	8.6	23
254	Double-Shell TiO Hollow Spheres Assembled with TiO Nanosheets. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4336-4343	4.8	22
253	CeO <sub>2</sub> hollow nanospheres synthesized by a one pot template-free hydrothermal method and their application as catalyst support. <i>RSC Advances</i> , <b>2015</b> , 5, 58237-58245	3.7	22
252	Nanocasting synthesis of an ordered mesoporous CeO <sub>2</sub> -supported Pt nanocatalyst with enhanced catalytic performance for the reduction of 4-nitrophenol. <i>RSC Advances</i> , <b>2016</b> , 6, 730-739	3.7	22
251	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Au nanoparticles assembled in the inner surface of SiO <sub>2</sub> hollow nanotubes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11039-47	4.3	22
250	The novel optical diffusers based on the fillers of boehmite hollow microspheres. <i>Materials Letters</i> , <b>2014</b> , 136, 114-117	3.3	22
249	Synthesis of magnesium-modified mesoporous Al <sub>2</sub> O <sub>3</sub> with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5772-5781	4.3	22
248	Effect of the competitive adsorbates on the catalytic performances of PtSnK/Al <sub>2</sub> O <sub>3</sub> catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2012</b> , 104, 23-30	7.2	22

- 247 Surface Functional Imprinting of Bensulfuron-methyl at Surface of Silica Nanoparticles Linked by Silane Coupling Agent. *Journal of Inorganic and Organometallic Polymers and Materials*, **2009**, 19, 215-222<sup>3,2</sup> 22
- 246 Optically Active Helical Polyurethane-Urea with Single-Handed Conformation for Infrared Low Emissivity. *Macromolecules*, **2009**, 42, 4972-4976 5.5 22
- 245 In situ doping of Pt active sites via Sn in double-shelled TiO<sub>2</sub> hollow nanospheres with enhanced photocatalytic H<sub>2</sub> production efficiency. *New Journal of Chemistry*, **2017**, 41, 11089-11096 3.6 22
- 244 Well-designed cobalt-nickel sulfide microspheres with unique peapod-like structure for overall water splitting. *Journal of Colloid and Interface Science*, **2019**, 556, 401-410 9.3 21
- 243 Carbon doped honeycomb-like graphitic carbon nitride for photocatalytic hydrogen production. *Journal of Colloid and Interface Science*, **2019**, 552, 728-734 9.3 21
- 242 Hierarchical structures based on gold nanoparticles embedded into hollow ceria spheres and mesoporous silica layers with high catalytic activity and stability. *New Journal of Chemistry*, **2015**, 39, 9372-9379 3.6 21
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- 240 Propane dehydrogenation over Ce-containing ZSM-5 supported platinum catalysts: Ce concentration effect and reaction performance analysis. *RSC Advances*, **2016**, 6, 29410-29422 3.7 21
- 239 A spontaneous dissolution approach to carbon coated TiO<sub>2</sub> hollow composite spheres with enhanced visible photocatalytic performance. *Applied Surface Science*, **2013**, 286, 344-350 6.7 21
- 238 Influence of the different dechlorination time on catalytic performances of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. *Fuel Processing Technology*, **2009**, 90, 1524-1531 7.2 21
- 237 Coating of ZnO nanorods with nanosized silver particles by electroless plating process. *Materials Letters*, **2008**, 62, 666-669 3.3 21
- 236 Engineering water splitting sites in three-dimensional flower-like CoNiB/MoS<sub>2</sub> heterostructural hybrid spheres for accelerating electrocatalytic oxygen and hydrogen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 22181-22190 13 21
- 235 Microwave absorption and infrared emissivity of helical polyacetylene@multiwalled carbon nanotubes composites. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 8601-8610 2.1 20
- 234 Synthesis, characterization and antimicrobial activities of water-soluble amphiphilic copolymers containing ciprofloxacin and quaternary ammonium salts. *Journal of Materials Chemistry B*, **2015**, 3, 3704-3713<sup>7,3</sup> 20
- 233 Synthesis of graphitic carbon nitride with large specific surface area via copolymerizing with nucleobases for photocatalytic hydrogen generation. *Applied Surface Science*, **2019**, 463, 1-8 6.7 20
- 232 Preparation, characterization, and infrared emissivity property of optically active polyurethane/TiO<sub>2</sub>/SiO<sub>2</sub> multilayered microspheres. *Journal of Solid State Chemistry*, **2011**, 184, 2617-2622<sup>3,3</sup> 20
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228	Fabrication and microwave absorption of multiwalled carbon nanotubes anchored with CoS nanoplates. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 7622-7632	2.1	19
227	Synthesis of Ce-doped mesoporous alumina with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3984-3993	4.3	19
226	Hierarchical porous bimetal-sulfide bi-functional nanocatalysts for hydrogen production by overall water electrolysis. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 426-435	9.3	19
225	Fabrication of Ellipsoidal Silica Yolk-Shell Magnetic Structures with Extremely Stable Au Nanoparticles as Highly Reactive and Recoverable Catalysts. <i>Langmuir</i> , <b>2017</b> , 33, 2698-2708	4	18
224	Synthesis of NiO-TiO <sub>2</sub> hybrids/mSiO <sub>2</sub> yolk-shell architectures embedded with ultrasmall gold nanoparticles for enhanced reactivity. <i>Applied Surface Science</i> , <b>2017</b> , 412, 616-626	6.7	18
223	Facile microwave approach to controllable boron nitride quantum dots. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 13522-13532	4.3	18
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217	Hollow tubular carbon doping graphitic carbon nitride with adjustable structure for highly enhanced photocatalytic hydrogen production. <i>Carbon</i> , <b>2021</b> , 182, 287-296	10.4	18
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214	Effect of aluminum modification on catalytic properties of PtSn-based catalysts supported on SBA-15 for propane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , <b>2012</b> , 21, 207-214		17
213	Structural and morphological transformations of ZnAl layered double hydroxides through hydrothermal treatment. <i>Applied Surface Science</i> , <b>2009</b> , 255, 6372-6377	6.7	17
212	One-step synthesis of core-shell structured mesoporous silica spheres templated by protic ionic liquid and CTAB. <i>Materials Letters</i> , <b>2016</b> , 178, 35-38	3.3	17

211	Preparation and Evaluation of a Polyether-Based Polycarboxylate as a Kind of Inhibitor for Water Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 2624-2633	3.9	16
210	Synthesis of a hierarchical SiO <sub>2</sub> /Au/CeO <sub>2</sub> rod-like nanostructure for high catalytic activity and recyclability. <i>RSC Advances</i> , <b>2015</b> , 5, 34549-34556	3.7	16
209	Synthesis of micro/mesoporous silica material by dual-template method as a heterogeneous catalyst support for alkylation. <i>RSC Advances</i> , <b>2015</b> , 5, 28124-28132	3.7	16
208	Alkylation of O-xylene and styrene catalyzed by cross-linked poly acidic ionic liquids catalyst with novel mesoporous-macroporous structure. <i>Applied Catalysis A: General</i> , <b>2018</b> , 552, 138-146	5.1	16
207	Synthesis and characterization of carbon nanotubes supported Au nanoparticles encapsulated in various oxide shells. <i>RSC Advances</i> , <b>2014</b> , 4, 51334-51341	3.7	16
206	Hydrothermal synthesis of ZnO@polysiloxane microspheres and their application in preparing optical diffusers. <i>RSC Advances</i> , <b>2015</b> , 5, 17064-17069	3.7	16
205	Fabrication of biomorphic Al <sub>2</sub> O <sub>3</sub> ceramics with hierarchical architectures by templating of cotton fibers. <i>Ceramics International</i> , <b>2014</b> , 40, 13703-13707	5.1	16
204	Effect of Preparation Processes on Catalytic Performance of PtSnNa/ZSM-5 for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5598-5603	3.9	16
203	Synthesis of nonlinear optical polyimides containing azodiamine derivative chromophores and their electrooptic and thermal properties. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 2478-2486	2.5	16
202	Construction of three-dimensional mesoporous carbon nitride with high surface area for efficient visible-light-driven hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 601-608	9.3	16
201	Self-Assembly Hierarchical Silica Nanotubes with Vertically Aligned Silica Nanorods and Embedded Platinum Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1578-1585	8.3	15
200	Ionic liquid-assisted synthesis of highly dispersive bowknot-like ZnO microrods for photocatalytic applications. <i>Applied Surface Science</i> , <b>2017</b> , 400, 269-276	6.7	15
199	Catalytic structure and reaction performance of PtSnK/ZSM-5 catalyst for propane dehydrogenation: influence of impregnation strategy. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 6457-6468	4.3	15
198	Morphology-controlled fabrication of hierarchical LDH/C microspheres derived from rape pollen grain. <i>Applied Clay Science</i> , <b>2015</b> , 103, 67-70	5.2	15
197	Preparation of platinum nanoparticles immobilized on ordered mesoporous Co <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> composites and their enhanced catalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 67173-67183	3.7	15
196	Optical diffusers based on the novel fillers of polysiloxane@boehmite core-shell microspheres. <i>Materials Letters</i> , <b>2016</b> , 165, 107-110	3.3	15
195	Synthesis and characterization of Pt magnetic nanocatalysts with a TiO <sub>2</sub> or CeO <sub>2</sub> layer. <i>RSC Advances</i> , <b>2015</b> , 5, 12472-12479	3.7	15
194	Immobilization of 12-Tungstophosphoric acid in alumina-grafted mesoporous LaSBA-15 and its catalytic activity for alkylation of o-xylene with styrene. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 161, 25-32	5.3	15

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189	Bimetallic Organic Frameworks from In Situ-Activated NiFe Foam for Highly Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1826-1836	8.3	15
188	The synthesis of new coke-resistant support and its application in propane dehydrogenation to propene. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1072-1081	3.5	14
187	Performance of an environmentally friendly anti-scalant in CaSO <sub>4</sub> scale inhibition. <i>Desalination and Water Treatment</i> , <b>2015</b> , 53, 8-14		14
186	Two dimensional metal-organic frameworks-derived leaf-like CoS/CdS composite for enhancing photocatalytic water evolution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 554, 39-47	9.3	14
185	Adsorption of fluoride ions onto non-thermal plasma-modified CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> composites. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3367-3376		14
184	Two-dimensional ultrathin nanosheets of Ni <sup>II</sup> -layered double hydroxides prepared in water: enhanced performance for DNA adsorption. <i>RSC Advances</i> , <b>2014</b> , 4, 29968	3.7	14
183	Fabrication of core-shell structural SiO <sub>2</sub> @DNA@LDH nanocomposite with low infrared emissivity. <i>Chemical Engineering Journal</i> , <b>2015</b> , 266, 199-202	14.7	14
182	Preparation and Characterization of Acrylate Copolymers Modified by Fluorine and Silicon for Application in Release Films. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 531-538		14
181	Novel paper-templated fabrication of hierarchically porous Ni <sup>II</sup> /Al layered double hydroxides/Al <sub>2</sub> O <sub>3</sub> for efficient BSA separation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1705-1711	3.5	14
180	Effect of cerium addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , <b>2012</b> , 21, 324-331		14
179	Carboxylate-Terminated Double-Hydrophilic Block Copolymer as an Effective and Environmentally Friendly Inhibitor for Carbonate and Sulfate Scales in Cooling Water Systems. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 3601-3609	2.6	14
178	Synthesis of TiO <sub>2</sub> Hybrid Molecular Imprinted Polymer for Ethofumesate Linked by Silane Coupling Agent. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2008</b> , 18, 477-484	3.2	14
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175	Sn <sup>2+</sup> -Doped Double-Shelled TiO <sub>2</sub> Hollow Nanospheres with Minimal Pt Content for Significantly Enhanced Solar H <sub>2</sub> Production. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7128-7137	8.3	13
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173	Calcium sulfate precipitation studies with fluorescent-tagged scale inhibitor for cooling water systems. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2171-2188	2.4	13
172	Influence of alumina binder content on catalytic properties of PtSnNa/AlSBA-15 catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 161, 33-39	5.3	13
171	Effect of different lanthanum source and preparation method on the lanthanum-doped mesoporous SBA-15 synthesis. <i>Journal of Porous Materials</i> , <b>2011</b> , 18, 677-683	2.4	13
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168	Fabrication and infrared emissivity study of hybrid materials based on immobilization of collagen onto exfoliated LDH. <i>Materials Letters</i> , <b>2008</b> , 62, 2943-2946	3.3	13
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165	Preparation of porous CuO nanosheet-like structure (CuO-NS) using C <sub>3</sub> N <sub>4</sub> template with enhanced visible-light photoactivity in degradation of chlortetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 346, 168-176	4.7	12
164	A 3D hierarchical magnetic Fe@Pt/Ti(OH) <sub>4</sub> nanoarchitecture for sinter-resistant catalyst. <i>RSC Advances</i> , <b>2015</b> , 5, 64951-64960	3.7	12
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162	Anchoring ultrafine PtNi nanoparticles on N-doped graphene for highly efficient hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 4961-4969	5.5	12
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159	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Pt nanoparticles assembled in the inner surface of mesoporous SiO <sub>2</sub> spherical shell. <i>Powder Technology</i> , <b>2015</b> , 284, 387-395	5.2	11
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157	Facile synthesis of Ag <sub>2</sub> O/N-doped helical carbon nanotubes with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 3122-3129	3.7	11
156	Preparation of magnetically recoverable gold nanocatalysts with a highly reactive and enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 23-31	5.7	11
155	Anisotropic growth of SiO <sub>2</sub> and TiO <sub>2</sub> mixed oxides onto Au nanostructures: highly thermal stability and enhanced reaction activity. <i>RSC Advances</i> , <b>2014</b> , 4, 40078-40084	3.7	11
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150	In situ hydrothermal synthesis of polysiloxane@3D flower-like hollow Mg Al LDH microspheres with superior light diffusing properties for optical diffusers. <i>Applied Clay Science</i> , <b>2019</b> , 171, 92-99	5.2	11
149	In situ fabrication and infrared emissivity properties of oriented LDHs films on Al substrates. <i>RSC Advances</i> , <b>2015</b> , 5, 82415-82420	3.7	10
148	Synthesis of core-shell and hollow structured dual-mesoporous silica templated by alkoxy-silyl-functionalized ionic liquids and CTAB. <i>Materials Letters</i> , <b>2018</b> , 211, 126-129	3.3	10
147	Template-free hydrothermal synthesis of 3D flower-like hollow Mg-Al layered double hydroxides microspheres for high-performance optical diffusers. <i>Materials Letters</i> , <b>2018</b> , 211, 343-347	3.3	10
146	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1354-1364	3.6	10
145	Preparation of optically active polyurethane/TiO <sub>2</sub> /MnO <sub>2</sub> multilayered nanorods for low infrared emissivity. <i>Materials Letters</i> , <b>2014</b> , 133, 269-273	3.3	10
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143	Fabrication of hierarchical nanostructured BSA/ZnO hybrid nanoflowers by a self-assembly process. <i>Materials Letters</i> , <b>2014</b> , 128, 227-230	3.3	10
142	Correlation between the secondary structure and hydrogen bonding in optically active polyurethane and its effect on infrared emissivity. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 574-579	4.6	10
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140	Fabrication of nanocomposites by collagen templated synthesis of layered double hydroxides assisted by an acrylic silane coupling agent. <i>Applied Surface Science</i> , <b>2009</b> , 255, 4497-4502	6.7	10



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129	Preparation of disk-like Pt/CeO <sub>2</sub> -p-TiO <sub>2</sub> catalyst derived from MIL-125(Ti) for excellent catalytic performance. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4395	3.1	9
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127	Preparation of a low-phosphorous terpolymer as a scale, corrosion inhibitor, and dispersant for ferric oxide. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	8
126	Tunable infrared radiation properties of hybrid films co-assembled with semiconductor quantum chips and exfoliated ultra-thin LDH nanosheets. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 751, 215-223	5.7	8
125	Facile fabrication of ZnO/N-doped helical carbon nanotubes composites with enhanced photocatalytic activity toward organic pollutant degradation. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e3966	3.1	8
124	Self-assembly of hollow spherical nanocatalysts with encapsulated Pt NPs and the effect of Ce-dipping on catalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 70303-70310	3.7	8
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122	Preparation and properties of a polyether-based polycarboxylate as an antiscalant for gypsum. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	8



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114	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 1931-1937	2.8	8
113	CdS nanospheres hybridized with graphitic C <sub>3</sub> N <sub>4</sub> for effective photocatalytic hydrogen generation under visible light irradiation. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4671	3.1	8
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110	Controlled fabrication of hierarchical MgAl <sub>2</sub> O <sub>4</sub> spinel/carbon fiber composites by crystal growth and calcination processes. <i>Ceramics International</i> , <b>2015</b> , 41, 12504-12508	5.1	7
109	Synthesis, helical conformation, and infrared emissivity property study of optically active substituted polyacetylenes derived from serine. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	7
108	The Catalytic Performance Study of Chloroaluminate Ionic Liquids on Long-Chain Alkenes Alkylation. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 9763-9771	4.1	7
107	Novel heterostructural Fe <sub>2</sub> O <sub>3</sub> CeO <sub>2</sub> /Au/carbon yolk-shell magnetic ellipsoids assembled with ultrafine Au nanoparticles for superior catalytic performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 81, 65-76	5.3	7
106	Double-hydrophilic polyether antisclant used as a crystal growth modifier of calcium scales in cooling-water systems. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	7
105	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. <i>RSC Advances</i> , <b>2016</b> , 6, 35076-35085	3.7	7
104	Helical polysilane wrapping onto carbon nanotube: preparation, characterization and infrared emissivity property study. <i>RSC Advances</i> , <b>2016</b> , 6, 7439-7447	3.7	7

103	The investigation of Ag decorated double-wall hollow TiO <sub>2</sub> spheres as photocatalyst. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4160	3.1	7
102	Ionic liquid-assisted synthesis of porous BiOBr microspheres with enhanced visible light photocatalytic performance. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4596	3.1	7
101	Synthesis of double-shell hollow magnetic Au-loaded ellipsoids as highly active and recoverable nanoreactors. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4448-4457	3.6	6
100	Preparation, characterization and application of soluble TiO <sub>2</sub> @SiO <sub>2</sub> nanospheres by a simple modified sol-gel procedure. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 74, 181-186	2.3	6
99	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. <i>RSC Advances</i> , <b>2015</b> , 5, 53267-53274	3.7	6
98	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 103-110	3.6	6
97	Fabrication and characterization of optically active polyacetylene@WO <sub>3</sub> nanorodhybrids with low infrared emissivity. <i>Materials Letters</i> , <b>2014</b> , 120, 239-242	3.3	6
96	Optically active substituted polyacetylene@carbon nanotube hybrids: Preparation, characterization and infrared emissivity property study. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 216, 23-29	3.3	6
95	Carboxylate-Terminated Double-Hydrophilic Block Copolymer Containing Fluorescent Groups: An Effective and Environmentally Friendly Inhibitor for Calcium Carbonate Scales. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2013</b> , 62, 678-685	3	6
94	Study on Calcium Scales Inhibition Performance in the Presence of Double-Hydrophilic Copolymer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 205-213	3	6
93	Molecular design and synthesis of branched bichromophore-attached linear fluorinated polyimides for nonlinear optical applications. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 3370-3377	4.3	6
92	Helical polyurethane-imide with optical activity based on binaphthyl units: preparation, characterization, and study of interchain hydrogen bonds. <i>Polymer Bulletin</i> , <b>2009</b> , 63, 699-708	2.4	6
91	Low-temperature carbonized biomimetic cellulose nanofiber/MXene composite membrane with excellent microwave absorption performance and tunable absorption bands. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133269	14.7	6
90	Fluorescent-tagged block copolymer as an effective and green inhibitor for calcium sulfate scales. <i>Russian Journal of Applied Chemistry</i> , <b>2016</b> , 89, 1861-1868	0.8	6
89	Preparation of a Multifunctional Terpolymer Inhibitor for CaCO <sub>3</sub> and BaSO <sub>4</sub> in Oil Fields. <i>Tenside, Surfactants, Detergents</i> , <b>2016</b> , 53, 148-156	1	6
88	Preparation and characterization of UV-curable fluorine-silicon block urethane acrylates for application in release films. <i>Progress in Organic Coatings</i> , <b>2019</b> , 129, 171-177	4.8	6
87	Evaluating the performance of PEG-based scale inhibition and dispersion agent in cooling water systems. <i>Desalination and Water Treatment</i> , <b>2015</b> , 56, 1309-1320		5
86	Preparation and Characterization of Polysiloxane@CeO <sub>2</sub> @PMMA Hybrid Nano/Microspheres via In Situ One-Pot Process. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 1086-1097		5

85	Optically active amino acid-based polyacetylenes: Effect of tunable helical conformation on infrared emissivity property. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 82, 17-24	4.6	5
84	Corrosion and Scale Inhibition Properties by Phosphate-free and Nitrogen-free Scale Inhibitor in Cooling Water System. <i>Tenside, Surfactants, Detergents</i> , <b>2014</b> , 51, 248-256	1	5
83	Preparation and Application of Fluorescent-tagged Inhibitor for Calcium Phosphate and Iron(III) Hydroxide Scales in Industrial Cooling Water Systems. <i>Tenside, Surfactants, Detergents</i> , <b>2014</b> , 51, 257-266 <sup>1</sup>		5
82	Preparation and evaluation of nonphosphate terpolymer as scale inhibitor and dispersant for Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> , BaSO <sub>4</sub> , and Iron (III) hydroxide scales. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 132, n/a-n/a <sup>2,9</sup>		5
81	Maleic anhydride-allyl polyethoxy carboxylate copolymer as an effective and environmentally benign inhibitor for calcium carbonate in industrial cooling systems. <i>RSC Advances</i> , <b>2017</b> , 7, 24723-24729 <sup>3,7</sup>		5
80	A novel strategy to fabricate a hierarchical NiAl LDH platinum nanocatalyst with enhanced thermal stability. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 8837-8844	3.6	5
79	Zirconium incorporated micro/mesoporous silica solid acid catalysts for alkylation of o-xylene with styrene. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 109-120	2.4	5
78	A multicarboxyl antiscalant for calcium phosphate and calcium carbonate deposits in cooling water systems. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 7258-7264		5
77	Ti <sub>3</sub> C <sub>2</sub> Quantum Dots Modified 3D/2D TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> S-Scheme Heterostructures for Highly Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> ,	6.1	5
76	Fe-based MOFs@Pd@COFs with spatial confinement effect and electron transfer synergy of highly dispersed Pd nanoparticles for Suzuki-Miyaura coupling reaction. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 809-819	9.3	5
75	Dopamine-assisted synthesis of rGO@NiPd@NC sandwich structure for highly efficient hydrogen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 137-144	2.6	5
74	Dispersed gold nanoparticles supported in the pores of flower-like macrocellular siliceous foams based on an ionic liquid as catalysts for reduction. <i>RSC Advances</i> , <b>2016</b> , 6, 48757-48766	3.7	5
73	A novel strategy to construct Ti-Si mixed oxides shell for yolk@shell Pt nanocatalyst. <i>Materials Letters</i> , <b>2017</b> , 188, 172-175	3.3	4
72	Synthesis, helicity, and low infrared emissivity of optically active poly(N-propargylamide)s bearing stigmasteryl moieties. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1142, 285-292	3.4	4
71	Influence of pseudo-boehmite binder modified dealuminated mordenite on Friedel-Crafts alkylation. <i>Journal of Porous Materials</i> , <b>2015</b> , 22, 179-185	2.4	4
70	Synthesis of carbon nitride hollow microspheres with highly hierarchical porosity templated by poly(ionic liquid) for photocatalytic hydrogen evolution. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5474	3.1	4
69	Novel synthesis of Fe <sub>2</sub> O <sub>3</sub> @Pt ellipsoids coated by double-shelled La <sub>2</sub> O <sub>3</sub> as a catalyst for the reduction of 4-nitrophenol. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4208	3.1	4
68	Synthesis of a hollow CeO <sub>2</sub> /Au/C hierarchical nanostructure for high catalytic activity and recyclability. <i>RSC Advances</i> , <b>2016</b> , 6, 100427-100436	3.7	4

67	Synthesis of Amphiphilic Copolymers Containing Ciprofloxacin and Amine Groups and Their Antimicrobial Performances As Revealed by Confocal Laser-Scanning Microscopy and Atomic-Force Microscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 8406-8414	5.7	4
66	H3PW12O40/mpg-C3N4 as an efficient and reusable catalyst in the alkylation of o-xylene and styrene. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e5129	3.1	4
65	Preparation and Characterization of Optically Active Polyacetylene@CdTe Quantum Dots Composites with Low Infrared Emissivity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 591-599	3.2	4
64	An UV-curable epoxy acrylate oligomer with high refractive index containing fluorene: Preparation, characterization, and application. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	4
63	Acrylic Acid-Allylpolyethoxy Carboxylate Copolymer as an Effective Inhibitor for Calcium Phosphate and Iron(III) Scales in Cooling Water Systems. <i>Clean - Soil, Air, Water</i> , <b>2015</b> , 43, 989-994	1.6	4
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61	Optically active helical polyurethane@attapulgitite composites: Effect of optical purity of S-1,1'-binaphthyl-2,2'-diol on infrared emissivity. <i>Applied Surface Science</i> , <b>2009</b> , 255, 7090-7094	6.7	4
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59	Double-Hydrophilic Block Copolymer as an Effective and Environmentally Friendly Inhibitor for Phosphate and Carbonate Scales in Cooling Water Systems. <i>Tenside, Surfactants, Detergents</i> , <b>2013</b> , 50, 14-20	1	4
58	Synthesis of a New Type of 2-Phosphonobutane-1,2,4-tricarboxylic-Acid-Modified Terpolymer Scale Inhibitor and Its Application in the Oil Field. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 6136-6143	4.1	4
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56	C-Rich Graphitic Carbon Nitride with Cross Pore Channels: A Visible-Light-Driven Photocatalyst for Water Splitting. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1784-1792	6.1	4
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48	Acrylic acid-allyl polyethoxy carboxylate copolymer as a environmentally friendly scale inhibitor (part II). <i>Clean Technologies and Environmental Policy</i> , <b>2017</b> , 19, 917-924	4.3	3
47	Preparation of Hierarchically Structured Layered Double Hydroxide Microspheres and Their Application in BSA Separation. <i>Journal of Dispersion Science and Technology</i> , <b>2015</b> , 36, 1059-1065	1.5	3
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45	Preparation and characterization of novel optically active polyurethanes containing 1,1'-binaphthol. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 2190-2196	2.9	3
44	The study of industrializable ionic liquid catalysts for long-chain alkenes Friedel-Crafts alkylation. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5878	3.1	3
43	Synthesis of glutamic-modified polyether copolymer as a novel non-phosphorous inhibitor for calcium carbonate scales in cooling water systems. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 19206-19215		2
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41	Development and Evaluation of an Environmentally Friendly Calcium Carbonate and Calcium Sulfate Scales Inhibitor. <i>Tenside, Surfactants, Detergents</i> , <b>2015</b> , 52, 155-162	1	2
40	Fe-Doped Mesoporous Alumina: Facile One-Pot Synthesis, Modified Surface-Acidity and Its Enhanced Catalytic Performance in Phenol Hydroxylation. <i>Catalysis Letters</i> , <b>2020</b> , 150, 2273-2282	2.8	2
39	Synthesis of P123-Templated and DVB-Cross-linked Meso-macroporous Poly (ionic liquids) with High-Performance Alkylation. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5460	3.1	2
38	Carboxylate-Terminated Double-Hydrophilic Block Copolymer as an Effective Inhibitor for Carbonate and Sulphate Scales. <i>Tenside, Surfactants, Detergents</i> , <b>2016</b> , 53, 235-242	1	2
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36	Effects of the crystallization time on the synthesis of zeolite with flower-shaped crystals. <i>Materials Letters</i> , <b>2015</b> , 143, 261-264	3.3	2
35	Synthesis of a novel macrocyclic dinuclear iron(III) complex and its electrochemical behaviour on an ultramicrodisc platinum electrode. <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 347-349	2.1	2
34	Inhibition of calcium carbonate and sulfate scales by a polyether-based polycarboxylate antiscalant for cooling water systems. <i>Water Science and Technology</i> , <b>2006</b> , 57, 306-314		2
33	NiCoP/NF 1D/2D Biomimetic Architecture for Markedly Enhanced Overall Water Splitting. <i>ChemElectroChem</i> , <b>2021</b> , 8, 3064-3072	4.3	2
32	MPEC-IMI as an effective green inhibitor to protect Q235 steel in 0.5 M HCl medium. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 5833-5855	2.8	2



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30	Optically active tyrosine-containing poly(N-propargylamides): Synthesis, helical conformation, and infrared emissivity study. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	1
29	Protic ionic liquid triggered self-assembly structural transition of CTAB for inducing silica spheres with radially oriented mesochannels. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 899-904	2.4	1
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26	Fabrication and characterization of double-shelled CeO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> /Au/Fe <sub>3</sub> O <sub>4</sub> hollow architecture as a recyclable and highly thermal stability nanocatalyst. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4201	3.1	1
25	Preparation of a phosphorous-free terpolymer as a decalcifying agent for removing calcium from crude oil. <i>RSC Advances</i> , <b>2016</b> , 6, 58426-58433	3.7	1
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23	Facile Fabrication of Hierarchical Flower-Like BSA/Layered Double Hydroxide Hybrids. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2016</b> , 46, 1485-1488		1
22	Synthesis of acrylic acid-allylpolyethoxy amino carboxylate copolymer and its application for removing calcium from crude oil. <i>RSC Advances</i> , <b>2016</b> , 6, 24786-24791	3.7	1
21	Snail shell-shaped chiral substituted helical polyacetylene: preparation, characterization and infrared emissivity performance. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 14243-14254	4.3	1
20	Synthesis, helicity, thermal stability, and low infrared emissivity of optically active polyacetylenes carrying tyrosine pendants. <i>Designed Monomers and Polymers</i> , <b>2014</b> , 17, 701-716	3.1	1
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17	Modified nonlinear optical polyimide material for electro-optical modulator <b>2001</b> ,		1
16	Preparation and Application of Modified Imidazole with MPEG (Polyethylene Glycol Monomethyl Ether) as Carbon Steel Inhibitor. <i>Tenside, Surfactants, Detergents</i> , <b>2020</b> , 57, 57-73	1	1
15	Linear-Dendritic Block Copolymer Containing Fluorescent Groups: An Effective and Environmentally Benign Inhibitor for Calcium Carbonate. <i>Tenside, Surfactants, Detergents</i> , <b>2018</b> , 55, 56-64	6.1	1
14	Controllable preparation of Ni-CeO <sub>2</sub> nanoparticles anchored on Al-Mg oxide spheres (AMO) by hydrophobic driving mechanism for dehydrogenative homo-coupling of pyridines. <i>Journal of Catalysis</i> , <b>2020</b> , 390, 90-102	7.3	1



13	Double-Hydrophilic Block Copolymer as an Environmentally Friendly Inhibitor for Calcium Sulfate Dehydrate (Gypsum) Scale in Cooling Water Systems. <i>Tenside, Surfactants, Detergents</i> , <b>2016</b> , 53, 37-46	1	1
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11	Synthesis and characterization of a supported ionic-liquid phase catalyst with a dual-mesoporous structure derived from poly(ionic liquids) and P123. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2899-2907	3.6	0
10	Calcium Scale Inhibition of Stimulated Oilfield Produced Water Using Polyaspartic Acid/Aminomethanesulfonic Acid. <i>ChemistrySelect</i> , <b>2021</b> , 6, 3692-3701	1.8	0
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6	Carbon and phosphorus co-doped carbon nitride hollow tube for improved photocatalytic hydrogen evolution.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 616, 152-162	9.3	0
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2	Preparation and Application of Double-Hydrophilic Copolymer as Scale and Corrosion Inhibitor for Industrial Water Recycling. <i>Tenside, Surfactants, Detergents</i> , <b>2017</b> , 54, 467-478	1	
1	Preparation and properties of allyl ether-based polycarboxylate superplasticizer with short-branched chains modified by nano-silica. <i>Journal of Chemical Research</i> , <b>2022</b> , 46, 174751982210919	9.6	