

Ren-Hua Jin

List of Publications by Year in descending order

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61
papers

1,079
citations

471509

17
h-index

454955

30
g-index

64
all docs

64
docs citations

64
times ranked

975
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of poly(ethyleneimine)silica hybrid particles with complex shapes and hierarchical structures. <i>Chemical Communications</i> , 2005, , 1399-1401.	4.1	79
2	Fibrous Crystalline Hydrogels Formed from Polymers Possessing A Linear Poly(ethyleneimine) Backbone. <i>Langmuir</i> , 2005, 21, 3136-3145.	3.5	72
3	Simple Synthesis of Hierarchically Structured Silicas by Poly(ethyleneimine) Aggregates Pre-Organized by Media Modulation. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2160-2170.	2.2	65
4	Fabrication of silver porous frameworks using poly(ethyleneimine) hydrogel as a soft sacrificial template. <i>Journal of Materials Chemistry</i> , 2005, 15, 4513.	6.7	65
5	Biomimetically Controlled Formation of Nanotextured Silica/Titania Films on Arbitrary Substrates and Their Tunable Surface Function. <i>Advanced Materials</i> , 2009, 21, 3750-3753.	21.0	59
6	Water soluble star block poly(oxazoline) with porphyrin label: a unique emulsion and its shape direction. <i>Journal of Materials Chemistry</i> , 2004, 14, 320.	6.7	51
7	High-Temperature-Resistant Chiral Silica Generated on Chiral Crystalline Templates at Neutral pH and Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5862-5865.	13.8	43
8	Circularly Polarized Luminescence from Inorganic Materials: Encapsulating Guest Lanthanide Oxides in Chiral Silica Hosts. <i>Chemistry - A European Journal</i> , 2018, 24, 6519-6524.	3.3	42
9	Biomimetic Synthesis of Shaped and Chiral Silica Entities Templated by Organic Objective Materials. <i>Chemistry - A European Journal</i> , 2014, 20, 7196-7214.	3.3	40
10	Shaped Silicas Transcribed from Aggregates of Four-Armed Star Polyethyleneimine with a Benzene Core. <i>Chemistry of Materials</i> , 2006, 18, 3390-3396.	6.7	39
11	Self-Assembly of Porphyrin-Centered Amphiphilic Star Block Copolymer into Polymeric Vesicular Aggregates. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 403-409.	2.2	30
12	Transfer of Chiral Information from Silica Hosts to Achiral Luminescent Guests: a Simple Approach to Accessing Circularly Polarized Luminescent Systems. <i>ChemPlusChem</i> , 2020, 85, 619-626.	2.8	25
13	Polyethyleneimine Aggregates Regulated by Metal Cations Acting as Biomimetic Organic Reactors for Silica Architectures. <i>Small</i> , 2007, 3, 394-398.	10.0	24
14	Chiral Plasmonic Nanoparticle Assisted Raman Enantioselective Recognition. <i>Analytical Chemistry</i> , 2020, 92, 8015-8020.	6.5	24
15	Porphyrin-centered Water-soluble Star-shaped Polymers: Poly(N-acetylenimine) and Poly(ethylenimine) Arms. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999, 03, 60-64.	0.8	22
16	Synthesis of free-standing sub-10 nm Y2O3:Eu particles on silicananowirematrix and amplified luminescence performance. <i>Journal of Materials Chemistry C</i> , 2013, 1, 477-483.	5.5	21
17	Colloidal crystalline polymer generated in situ from growing star poly(oxazolines)Electronic supplementary information (ESI) available: further experimental evidence for the results presented in this communication. See http://www.rsc.org/suppdata/jm/b2/b211674j/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 672-675.	6.7	19
18	Bioinspired Synthesis of Continuous Titania Coat with Tunable Nanofiber-Based Network Structure on Linear Polyethylenimine-Covered Substrates. <i>Langmuir</i> , 2010, 26, 4212-4218.	3.5	18

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19	Temporally and spatially controlled silicification for self-generating polymer@silica hybrid nanotube on substrates with tunable film nanostructure. <i>Journal of Materials Chemistry</i> , 2012, 22, 5080.	6.7	17
20	Polyamine@silica hybrid nanoglass: biomimetic fabrication, structure characterization and surface functionalization. <i>Journal of Materials Chemistry</i> , 2011, 21, 10720.	6.7	15
21	Self-directing chiral information in solid→solid transformation: unusual chiral-transfer without racemization from amorphous silica to crystalline silicon. <i>Nanoscale Horizons</i> , 2017, 2, 147-155.	8.0	15
22	Silane catecholates: versatile tools for self-assembled dynamic covalent bond chemistry. <i>Chemical Communications</i> , 2019, 55, 6066-6069.	4.1	15
23	Unexpected “Hammerlike Liquid” to Pulverize Silica Powders to Stable Sols and Its Application in the Preparation of Sub-10 nm SiO ₂ Hybrid Nanoparticles with Chirality. <i>ACS Omega</i> , 2017, 2, 1431-1440.	3.5	14
24	Chirality Detection by Raman Spectroscopy: The Case of Enantioselective Interactions between Amino Acids and Polymer-Modified Chiral Silica. <i>Analytical Chemistry</i> , 2020, 92, 14292-14296.	6.5	14
25	Functional Polymeric Micelles Formed from a Novel Cationic Star Block Copolymer. <i>ChemPhysChem</i> , 2003, 4, 1118-1121.	2.1	13
26	Synthesis of comb-like poly(ethyleneimine)s and their application in biomimetic silicification. <i>Polymer Chemistry</i> , 2015, 6, 2255-2263.	3.9	13
27	Understanding Silica from the Viewpoint of Asymmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 6270-6283.	3.3	13
28	Hierarchically Structured Silica from Mediation of Linear Poly(ethyleneimine) Incorporated with Acidic/Basic Additives. <i>Polymer Journal</i> , 2007, 39, 464-470.	2.7	12
29	Polycondensation and carbonization of phenolic resin on structured nano/chiral silicas: reactions, morphologies and properties. <i>Journal of Materials Chemistry B</i> , 2016, 4, 626-634.	5.8	12
30	Turbine-like structured silica transcribed simply by pre-structured crystallites of linear poly(ethyleneimine) bounded with metal ions. <i>CrystEngComm</i> , 2009, 11, 2695.	2.6	11
31	Nanosheet→Stacked Chiral Silica Transcribed from Metal Ion→and pH→Tuned Supramolecular Crystalline Complexes of Polyamine→D→Glucarate. <i>Chemistry - A European Journal</i> , 2014, 20, 1134-1145.	3.3	11
32	Linear-Polyethyleneimine-Templated Synthesis of N-Doped Carbon Nanonet Flakes for High-performance Supercapacitor Electrodes. <i>Nanomaterials</i> , 2019, 9, 1225.	4.1	11
33	Controlled synthesis and tunable properties of ultrathin silica nanotubes through spontaneous polycondensation on polyamine fibrils. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 793-804.	2.8	10
34	Chiral SiO ₂ and Ag@SiO ₂ Materials Templated by Complexes Consisting of Comblike Polyethyleneimine and Tartaric Acid. <i>Chemistry - A European Journal</i> , 2015, 21, 15667-15675.	3.3	10
35	Silica→polyoxazoline hybrid with nanosized hollow enclosing porphyrin in hybrid wallsElectronic supplementary information (ESI) available: Figs. 1S→4S. See http://www.rsc.org/suppdata/cc/b1/b108763k/ . <i>Chemical Communications</i> , 2002, , 198-199.	4.1	9
36	Poly(N-cyanoethylethyleneimine): a new nanoscale template for biomimetic silicification. <i>Chemical Communications</i> , 2014, 50, 10793-10796.	4.1	8

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37	Shaped crystalline aggregates of comb-like polyethyleneimine for biomimetic synthesis of inorganic silica materials. <i>Polymer</i> , 2016, 86, 120-128.	3.8	8
38	Sub-5 μm balls possessing forest-like poly(methyloxazoline)/polyethyleneimine side chains and templated silica microballs with unusual internal structures. <i>RSC Advances</i> , 2017, 7, 36302-36312.	3.6	8
39	Double Chiral Hybrid Materials: Formation of Chiral Phenolic Resins on Polyamine-associated Chiral Silica. <i>Chemistry Letters</i> , 2017, 46, 1518-1521.	1.3	8
40	Simple and Efficient Aqueous Process for Nanostructured Fibrous TiO_2 Regulated by Linear Polyethyleneimine Aggregates. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 476-482.	2.0	7
41	Bent silica nanosheets directed from crystalline templates controlled by proton donors. <i>Journal of Nanoparticle Research</i> , 2011, 13, 683-691.	1.9	7
42	Unusual chirality transfer from silica to metallic nanoparticles with formation of distorted atomic array in crystal lattice structure. <i>Nanoscale Advances</i> , 2019, 1, 581-591.	4.6	7
43	Polydopamine/Silver Substrates Stemmed from Chiral Silica for SERS Differentiation of Amino Acid Enantiomers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29868-29875.	8.0	7
44	Polyamine-Promoted Growth of One-Dimensional Nanostructure-Based Silica and Its Feature in Catalyst Design. <i>Materials</i> , 2012, 5, 1787-1799.	2.9	6
45	Chiral Nucleating Agents Affecting the Handedness of Lamellar Twist in the Banded Spherulites in Poly(μ -Caprolactone)/Poly(Vinyl Butyral) Blends. <i>ACS Macro Letters</i> , 2019, 8, 871-874.	4.8	6
46	A unique polymersome covered by loop-cluster polyamine corona. <i>RSC Advances</i> , 2020, 10, 13260-13266.	3.6	6
47	Chiroptical phenolic resins grown on chiral silica-bonded amine residues. <i>Polymer Chemistry</i> , 2019, 10, 3535-3546.	3.9	5
48	Synthesis and Thermo-responsiveness of Double Hydrophilic Block Copolymers with PNIPAM Coils and Poly(methyloxazoline)/Poly(ethyleneimine) Combs. <i>Chemistry Letters</i> , 2019, 48, 647-650.	1.3	5
49	Synthesis and self-assembly of amphiphilic comb-copolymers possessing polyethyleneimine and its derivatives: Site-selective formation of loop-cluster covered vesicles and flower micelles. <i>Polymer</i> , 2021, 212, 123289.	3.8	5
50	Theophylline-bearing microspheres with dual features as a coordinative adsorbent and catalytic support for palladium ions. <i>RSC Advances</i> , 2018, 8, 34505-34513.	3.6	4
51	Convenient chirality transfer from organics to titania: construction and optical properties. <i>RSC Advances</i> , 2018, 8, 15951-15960.	3.6	3
52	Microflowers formed by complexation-driven self-assembly between palladium(II) and bis-theophyllines: immortal catalyst for $\text{C}-\text{C}$ cross-coupling reactions. <i>RSC Advances</i> , 2021, 11, 35311-35320.	3.6	3
53	Free-standing disk mold crystalline polyethyleneimine gels: physical properties and chemical function in mineralization. <i>Colloid and Polymer Science</i> , 2017, 295, 1585-1594.	2.1	2
54	Crystalline lamellar films with honeycomb structure from comb-like polymers of poly(2-long-alkyl-2-oxazoline)s. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 28-39.	9.4	2

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55	Biomimetic silica deposition promoted by sub-5 μ m complexes of dicarboxylic acids/polyethyleneimine microballs: a new approach to tuning silica structures using messenger-like dicarboxylic acids. RSC Advances, 2018, 8, 435-443.	3.6	1
56	Chiroptical Cross-Linked Polymers Grown via Radical Polymerization around Chiral Nanosilica. Macromolecular Chemistry and Physics, 2021, 222, 2000436.	2.2	1
57	A Unique Nano-Capsule Possessing Inner Thermo-Responsive Surface Prepared from a Toothbrush-Like Comb-Coil Block Copolymer. Macromolecular Chemistry and Physics, 2021, 222, 2100174.	2.2	1
58	Photoluminescent polymer micelles with thermo-/pH-/metal responsibility and their features in selective optical sensing of Pd(II) cations. RSC Advances, 2022, 12, 5720-5731.	3.6	1
59	Circularly Polarized Luminescence from Inorganic Materials: Encapsulating Guest Lanthanide Oxides in Chiral Silica Hosts. Chemistry - A European Journal, 2018, 24, 6483-6483.	3.3	0
60	Frontispiece: Understanding Silica from the Viewpoint of Asymmetry. Chemistry - A European Journal, 2019, 25, .	3.3	0
61	Novel Process to Conductive Silver Nanowires Film via Simple Evaporative Crystallization of Silver Acetate/Polymer Solution on Substrates. Advanced Materials Interfaces, 2021, 8, 2002001.	3.7	0