

Shunai Che

List of Publications by Year in Descending Order

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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.

110
papers

3,973
citations

30
h-index

61
g-index

113
ext. papers

4,411
ext. citations

9.7
avg, IF

5.5
L-index

#	Paper	IF	Citations
110	Mechanism of diastereoisomer-induced chirality of BiOBr.. <i>Chemical Science</i> , 2022 , 13, 2450-2455	9.4	1
109	Spin Selectivity of Chiral Mesostructured Iron Oxides with Different Magnetisms.. <i>Small</i> , 2022 , e2104509	11	1
108	DNA-Assisted Creation of a Library of Ultrasmall Multimetal/Metal Oxide Nanoparticles Confined in Silica.. <i>Small</i> , 2022 , e2107123	11	1
107	Enantioselective Interaction between Cells and Chiral Hydroxyapatite Films. <i>Chemistry of Materials</i> , 2022 , 34, 53-62	9.6	2
106	Photomagnetic-chiral anisotropy of chiral nanostructured gold films. <i>CheM</i> , 2021 ,	16.2	4
105	Library Creation of Ultrasmall Multi-metallic Nanoparticles Confined in Mesoporous MFI Zeolites. <i>Angewandte Chemie</i> , 2021 , 133, 14692-14698	3.6	1
104	Library Creation of Ultrasmall Multi-metallic Nanoparticles Confined in Mesoporous MFI Zeolites. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14571-14577	16.4	1
103	Self-Assembly of Single-Diamond-Surface Networks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15236-15242	16.4	3
102	Chiral Mesostructured BiOBr Films with Circularly Polarized Colour Response. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19024-19029	16.4	6
101	Spontaneous chiral self-assembly of CdSe@CdS nanorods. <i>CheM</i> , 2021 ,	16.2	5
100	Chiral Mesostructured NiO Films with Spin Polarisation. <i>Angewandte Chemie</i> , 2021 , 133, 9507-9512	3.6	1
99	Chiral Mesostructured NiO Films with Spin Polarisation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9421-9426	16.4	10
98	Self-Assembly of Chiral Nematic-Like Films with Chiral Nanorods Directed by Chiral Molecules. <i>Chemistry of Materials</i> , 2021 , 33, 6227-6232	9.6	2
97	Chiral Mesostructured BiOBr Films with Circularly Polarized Colour Response. <i>Angewandte Chemie</i> , 2021 , 133, 19172-19177	3.6	1
96	Resistance-Chiral Anisotropy of Chiral Mesostructured Half-metallic Fe O Films. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20036-20041	16.4	6
95	Resistance-Chiral Anisotropy of Chiral Mesostructured Half-metallic Fe ₃ O ₄ Films. <i>Angewandte Chemie</i> , 2021 , 133, 20189-20194	3.6	
94	Enantiomeric Discrimination by Surface-Enhanced Raman Scattering-Chiral Anisotropy of Chiral Nanostructured Gold Films. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15226-15231	16.4	28

93	Synthesis of chiral mesostructured titanium dioxide films. <i>Chemical Communications</i> , 2020 , 56, 4848-4853	3.8	4
92	Crystal twinning of bicontinuous cubic structures. <i>IUCrJ</i> , 2020 , 7, 228-237	4.7	7
91	Interactions Between Aromatic Groups in Amphiphilic Molecules: Directing Hierarchical Growth of Porous Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 50-60	16.4	9
90	Interactions Between Aromatic Groups in Amphiphilic Molecules: Directing Hierarchical Growth of Porous Zeolites. <i>Angewandte Chemie</i> , 2020 , 132, 50-60	3.6	2
89	Mesoporous Silica Microspheres Compositing with SBA-15s for Resonance Frequency Reduction in a Miniature Loudspeaker. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 760-767	2.2	3
88	Enantiomeric Discrimination by Surface-Enhanced Raman Scattering Chiral Anisotropy of Chiral Nanostructured Gold Films. <i>Angewandte Chemie</i> , 2020 , 132, 15338-15343	3.6	12
87	Synthesis of hierarchical MFI zeolites with a micro-macroporous core@mesoporous shell structure. <i>Chemical Communications</i> , 2019 , 55, 810-813	5.8	5
86	Highly ordered AIEgen directed silica hybrid mesostructures and their light-emitting behaviours. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 346-353	7.1	4
85	Chiral mesostructured SnO ₂ films with tunable optical activities. <i>Optical Materials</i> , 2019 , 94, 21-27	3.3	7
84	Formation of Lamellar Mesostructured Crystalline Silica by Self-assembly of CTAB. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 359-362	2.2	2
83	Silica cubosomes templated by a star polymer.. <i>RSC Advances</i> , 2019 , 9, 6118-6124	3.7	7
82	One-Pot Synthesis and Formation Mechanism of Hollow ZSM-5. <i>Chemistry - A European Journal</i> , 2019 , 25, 6196-6202	4.8	8
81	Spontaneous chiral self-assembly of achiral AIEgens into AIEgen-silica hybrid nanotubes. <i>Chemical Communications</i> , 2019 , 55, 14438-14441	5.8	7
80	Single-Crystalline MFI Zeolite with Sheet-Like Mesopores Layered along the a Axis. <i>Chemistry - A European Journal</i> , 2019 , 25, 738-742	4.8	12
79	Synthesis of Lamellar Mesostructured ZSM-48 Nanosheets. <i>Chemistry of Materials</i> , 2018 , 30, 1839-1843	9.6	26
78	Bolaform Molecules Directing Intergrown Zeolites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9117-9126	3.8	6
77	Mesoporous MFI Zeolite with a 2D Square Structure Directed by Surfactants with an Azobenzene Tail Group. <i>Chemistry - A European Journal</i> , 2018 , 24, 8615-8623	4.8	12
76	Additive-free synthesis of mesoporous FAU-type zeolite with intergrown structure. <i>Science China Materials</i> , 2018 , 61, 1095-1100	7.1	4

75	Synthesis of ultra-small mordenite zeolite nanoparticles. <i>Science China Materials</i> , 2018 , 61, 1185-1190	7.1	6
74	An Overview of Materials with Triply Periodic Minimal Surfaces and Related Geometry: From Biological Structures to Self-Assembled Systems. <i>Advanced Materials</i> , 2018 , 30, e1705708	24	121
73	A Hierarchical MFI Zeolite with a Two-Dimensional Square Mesostructure. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 724-728	16.4	43
72	A Hierarchical MFI Zeolite with a Two-Dimensional Square Mesostructure. <i>Angewandte Chemie</i> , 2018 , 130, 732-736	3.6	24
71	Hierarchical MFI Zeolites with a Single-Crystalline Sponge-Like Mesostructure. <i>Chemistry - A European Journal</i> , 2018 , 24, 19300-19308	4.8	3
70	Structure Characterization of Mesoporous Materials by Electron Microscopy. <i>The Enzymes</i> , 2018 , 43, 11-30	2.3	5
69	Fabrication of Photonic Bandgap Materials by Shifting Double Frameworks. <i>Chemistry - A European Journal</i> , 2018 , 24, 17389-17396	4.8	3
68	Formation of Diverse Ordered Structures in ABC Triblock Terpolymer Templated Macroporous Silicas. <i>Macromolecules</i> , 2018 , 51, 4381-4396	5.5	18
67	Chiral Nanostructured CuO Films with Multiple Optical Activities. <i>Advanced Optical Materials</i> , 2017 , 5, 1601013	8.1	15
66	Silver Films with Hierarchical Chirality. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8657-8662	16.4	25
65	A Shifted Double-Diamond Titania Scaffold. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 806-811	16.4	20
64	DNA Condensed Phase and DNA-Inorganic Hybrid Mesostructured Materials. <i>ACS Symposium Series</i> , 2017 , 49-79	0.4	1
63	Frontispiece: Silica Scaffold with Shifted Plumber's Nightmare Networks and their Interconversion into Diamond Networks. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10610-10610	16.4	10
62	Silver Films with Hierarchical Chirality. <i>Angewandte Chemie</i> , 2017 , 129, 8783-8788	3.6	3
61	Chiral Mesoporous Silica Materials 2017 , 121-177		
60	Silica Scaffold with Shifted "Plumber's Nightmare" Networks and their Interconversion into Diamond Networks. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10670-10675	16.4	18
59	Oriented Chiral DNA Silica Film Guided by a Natural Mica Substrate. <i>Angewandte Chemie</i> , 2016 , 128, 2077-2081	3.6	6
58	Self-Assembly of Cetyltrimethylammonium Bromide and Lamellar Zeolite Precursor for the Preparation of Hierarchical MWW Zeolite. <i>Chemistry of Materials</i> , 2016 , 28, 4512-4521	9.6	65

57	Oriented Chiral DNA-Silica Film Guided by a Natural Mica Substrate. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2037-41	16.4	21
56	A design concept of amphiphilic molecules for directing hierarchical porous zeolite. <i>New Journal of Chemistry</i> , 2016 , 40, 3982-3992	3.6	14
55	Poly[platinum(IV)-alt-PEI]/Akt1 shRNA complexes for enhanced anticancer therapy. <i>RSC Advances</i> , 2016 , 6, 65854-65865	3.7	2
54	Interconversion of Triply Periodic Constant Mean Curvature Surface Structures: From Double Diamond to Single Gyroid. <i>Chemistry of Materials</i> , 2016 , 28, 3691-3702	9.6	35
53	Enhanced release of the poorly soluble drug itraconazole loaded in ordered mesoporous silica. <i>Science China Chemistry</i> , 2015 , 58, 400-410	7.9	12
52	Optically active chiral Ag nanowires. <i>Science China Materials</i> , 2015 , 58, 441-446	7.1	15
51	Intergrown Zeolite MWW Polymorphs Prepared by the Rapid Dissolution/Recrystallization Route. <i>Chemistry of Materials</i> , 2015 , 27, 7852-7860	9.6	30
50	Fabrication of Chiral Materials via Self-Assembly and Biomineralization of Peptides. <i>Chemical Record</i> , 2015 , 15, 665-74	6.6	4
49	Optically Active Nanostructured ZnO Films. <i>Angewandte Chemie</i> , 2015 , 127, 15385-15390	3.6	18
48	Optically Active Nanostructured ZnO Films. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15170-15176	5.4	62
47	Hard-templating of chiral TiO nanofibres with electron transition-based optical activity. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 054206	7.1	11
46	Hierarchical multi-lamellar silica vesicle clusters synthesized through self-assembly and mineralization. <i>RSC Advances</i> , 2015 , 5, 102256-102260	3.7	4
45	Growth of optically active chiral inorganic films through DNA self-assembly and silica mineralisation. <i>Scientific Reports</i> , 2014 , 4, 4866	4.9	16
44	Structures of Silica-Based Nanoporous Materials Revealed by Microscopy. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 521-536	1.3	12
43	An insight into the role of the surfactant CTAB in the formation of microporous molecular sieves. <i>Dalton Transactions</i> , 2014 , 43, 3612-7	4.3	49
42	Molecular design of the amphiphilic AB diblock copolymer toward one-step synthesis of amino-group functionalized large pore mesoporous silica. <i>RSC Advances</i> , 2014 , 4, 43047-43051	3.7	4
41	Interaction of aromatic groups in amphiphilic molecules directing for single-crystalline mesostructured zeolite nanosheets. <i>Nature Communications</i> , 2014 , 5, 4262	17.4	168
40	Optically active chiral CuO "nanoflowers". <i>Journal of the American Chemical Society</i> , 2014 , 136, 7193-6	16.4	90

39	Surfactants with Aromatic-Group Tail and Single Quaternary Ammonium Head for Directing Single-Crystalline Mesostructured Zeolite Nanosheets. <i>Chemistry of Materials</i> , 2014 , 26, 4612-4619	9.6	46
38	Synthesis and Characterization of Macroporous Photonic Structure that Consists of Azimuthally Shifted Double-Diamond Silica Frameworks. <i>Chemistry of Materials</i> , 2014 , 26, 7020-7028	9.6	34
37	Synthesis of Single-Crystalline Mesoporous ZSM-5 with Three-Dimensional Pores via the Self-Assembly of a Designed Triply Branched Cationic Surfactant. <i>Chemistry of Materials</i> , 2014 , 26, 7183-7188	9.6	57
36	Rigid bolaform surfactant templated mesoporous silicon nanofibers as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19855-19860	13	17
35	Controllable synthesis of silica hollow spheres by vesicle templating of silicone surfactants. <i>Journal of Materials Science</i> , 2013 , 48, 1890-1898	4.3	7
34	Synthesis of Enantiopure Carbonaceous Nanotubes with Optical Activity. <i>Angewandte Chemie</i> , 2013 , 125, 6996-7000	3.6	12
33	Functional group-template integrated ABC copolymer silicone surfactant directing for highly hydrophobic mesoporous silica. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19076		5
32	Chiral Nanoparticles: Chirality of Metal Nanoparticles in Chiral Mesoporous Silica (Adv. Funct. Mater. 18/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 3750-3750	15.6	3
31	Synthesis of chiral TiO ₂ nanofibre with electron transition-based optical activity. <i>Nature Communications</i> , 2012 , 3, 1215	17.4	120
30	Amino/quaternary ammonium groups bifunctionalized large pore mesoporous silica for pH-responsive large drug delivery. <i>RSC Advances</i> , 2012 , 2, 4421	3.7	29
29	Chirality of Metal Nanoparticles in Chiral Mesoporous Silica. <i>Advanced Functional Materials</i> , 2012 , 22, 3784-3792	15.6	66
28	Formation of Enantiomeric Impeller-Like Helical Architectures by DNA Self-Assembly and Silica Mineralization. <i>Angewandte Chemie</i> , 2012 , 124, 947-951	3.6	10
27	pH-Responsive Drug Delivery System Based on Coordination Bonding in a Mesostructured Surfactant/Silica Hybrid. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7230-7237	3.8	46
26	Chiral mesoporous silica: chiral construction and imprinting via cooperative self-assembly of amphiphiles and silica precursors. <i>Chemical Society Reviews</i> , 2011 , 40, 1259-68	58.5	141
25	pH-responsive mitoxantrone (MX) delivery using mesoporous silica nanoparticles (MSN). <i>Journal of Materials Chemistry</i> , 2011 , 21, 9483		50
24	Evolution of packing parameters in the structural changes of silica mesoporous crystals: cage-type, 2D cylindrical, bicontinuous diamond and gyroid, and lamellar. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11524-33	16.4	47
23	Spontaneous formation and characterization of silica mesoporous crystal spheres with reverse multiply twinned polyhedral hollows. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6106-9	16.4	48
22	Carboxylic group functionalized ordered mesoporous silicas. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11033		36

21	Monodispersed inorganic/organic hybrid spherical colloids: Versatile synthesis and their gas-triggered reversibly switchable wettability. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10001		45
20	Organically Functionalized Mesoporous Silica by Co-structure-Directing Route. <i>Advanced Functional Materials</i> , 2010 , 20, 2750-2768	15.6	57
19	Synthesis of a DNA/Silica Complex with Rare Two-Dimensional Square p4mm Symmetry. <i>Angewandte Chemie</i> , 2009 , 121, 9432-9436	3.6	12
18	Structural Analyses of Intergrowth and Stacking Fault in Cage-Type Mesoporous Crystals. <i>Chemistry of Materials</i> , 2009 , 21, 223-229	9.6	24
17	Molecular design of AEC tri-block anionic surfactant towards rational synthesis of targeted thick-walled mesoporous silica. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3404		5
16	Synthesis of carboxylic group functionalized mesoporous silicas (CFMSs) with various structures. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1216		61
15	Molecular design of the surfactant and the co-structure-directing agent (CSDA) toward rational synthesis of targeted anionic surfactant templated mesoporous silica. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3591		38
14	Synthesis and characterization of mesoporous silica AMS-10 with bicontinuous cubic Pn3m symmetry. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4295-8	16.4	117
13	A lesson from the unusual morphology of silica mesoporous crystals: growth and close packing of spherical micelles with multiple twinning. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6516-9	16.4	29
12	Chiral mesoporous materials based on the self-assembly. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1557-64	1.3	16
11	Formation Mechanism of Anionic Surfactant-Templated Mesoporous Silica. <i>Chemistry of Materials</i> , 2006 , 18, 3904-3914	9.6	116
10	Synthesis and characterization of chiral mesoporous silica. <i>Nature</i> , 2004 , 429, 281-4	50.4	682
9	Direct Observation of 3D Mesoporous Structure by Scanning Electron Microscopy (SEM): SBA-15 Silica and CMK-5 Carbon. <i>Angewandte Chemie</i> , 2003 , 115, 2232-2235	3.6	13
8	Synthesis of Large-Pore Ia $\bar{3}$ d Mesoporous Silica and Its Tubelike Carbon Replica. <i>Angewandte Chemie</i> , 2003 , 115, 4060-4064	3.6	21
7	Synthesis of large-pore Ia $\bar{3}$ d mesoporous silica and its tubelike carbon replica. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3930-4	16.4	106
6	A novel anionic surfactant templating route for synthesizing mesoporous silica with unique structure. <i>Nature Materials</i> , 2003 , 2, 801-5	27	505
5	The effect of the counteranion on the formation of mesoporous materials under the acidic synthesis process. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13962-3	16.4	114
4	The formation of cubic Pm macro 3n mesostructure by an epitaxial phase transformation from hexagonal p6mm mesophase. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12089-90	16.4	81

3	Chiral hierarchical structure of bone minerals. <i>Nano Research</i> ,1	10	3
2	Chiral Mesostructured Carbonate with Vibrational Circular Dichroism. <i>Advanced Optical Materials</i> ,21026451	46	1
1	Chiral Nanostructured Bimetallic AuAg Films for Enantiomeric Discrimination. <i>Advanced Materials Interfaces</i> ,2200369	4.6	0