

Wuzong Zhou

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.

305
papers

15,371
citations

66
h-index

111
g-index

329
ext. papers

16,584
ext. citations

7
avg, IF

6.51
L-index

#	Paper	IF	Citations
305	Dual-Step Reduction of Copper and Formation Mechanism of Cu Pseudo-Icosahedral Microcrystals. <i>Crystal Growth and Design</i> , 2022 , 22, 2611-2619	3.5	0
304	Reversed crystal growth of metal organic framework MIL-68(In). <i>CrystEngComm</i> , 2021 , 23, 7658-7662	3.3	1
303	Surface trace doping of Na enhancing structure stability and adsorption properties of Li _{1.6} Mn _{1.6} O ₄ for Li ⁺ recovery. <i>Separation and Purification Technology</i> , 2021 , 256, 117583	8.3	4
302	Formation mechanism of Mn Co O yolk-shell structures.. <i>RSC Advances</i> , 2021 , 11, 29108-29114	3.7	
301	Growth mechanisms of Ag and Cu nanodendrites via Galvanic replacement reactions. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 141-151	3.6	2
300	Formation and Near-Infrared Emission of CsPbI Nanoparticles Embedded in CsPbI Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34742-34751	9.5	1
299	Unique hole-accepting carbon-dots promoting selective carbon dioxide reduction nearly 100% to methanol by pure water. <i>Nature Communications</i> , 2020 , 11, 2531	17.4	78
298	Crepe Cake Structured Layered Double Hydroxide/Sulfur/Graphene as a Positive Electrode Material for Li-S Batteries. <i>ACS Nano</i> , 2020 , 14, 8220-8231	16.7	29
297	A Highly Efficient Coordination Polymer for Selective Trapping and Sensing of Perrhenate/Per technetate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15246-15254	9.5	24
296	Naturally Occurring and Biomimetic Synthesized Calcite Spherulites. <i>Crystal Growth and Design</i> , 2020 , 20, 3537-3545	3.5	3
295	Asymmetric Oxygen Vacancies: the Intrinsic Redox Active Sites in Metal Oxide Catalysts. <i>Advanced Science</i> , 2020 , 7, 1901970	13.6	51
294	Incommensurate/Commensurate Transition in the Geometric Ferroelectric LaTaO ₄ . <i>Advanced Functional Materials</i> , 2020 , 30, 2004667	15.6	0
293	Efficient Luminescence from CsPbBr Nanoparticles Embedded in CsPbBr. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7637-7642	6.4	15
292	Structure and cleavage of monosodium urate monohydrate crystals. <i>Chemical Communications</i> , 2019 , 55, 2178-2181	5.8	6
291	New mechanism for the nucleation and growth of large zeolite X crystals in the presence of triethanolamine. <i>Chemical Communications</i> , 2019 , 55, 862-865	5.8	3
290	Experimental and theoretical investigations of Cs adsorption on crown ethers modified magnetic adsorbent. <i>Journal of Hazardous Materials</i> , 2019 , 371, 712-720	12.8	29
289	Toward New Thermoelectrics: Tin Selenide/Modified Graphene Oxide Nanocomposites. <i>ACS Omega</i> , 2019 , 4, 6010-6019	3.9	5

288	Rapid synthesis of BiOBr _x I _{1-x} photocatalysts: Insights to the visible-light photocatalytic activity and strong deviation from Vegard's law. <i>Catalysis Today</i> , 2019 , 335, 477-484	5.3	12
287	Active Oxygen Species Promoted Catalytic Oxidation of 5-Hydroxymethyl-2-furfural on Facet-Specific Pt Nanocrystals. <i>ACS Catalysis</i> , 2019 , 9, 8306-8315	13.1	26
286	Mechanism-Property Correlation in Coordination Polymer Crystals toward Design of a Superior Sorbent. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42375-42384	9.5	15
285	Effect of the oxygen coordination environment of Ca/Mn oxides on the catalytic performance of Pd supported catalysts for aerobic oxidation of 5-hydroxymethyl-2-furfural. <i>Catalysis Science and Technology</i> , 2019 , 9, 6659-6668	5.5	13
284	Growth and growth mechanism of oxide nanocrystals on electrochemically exfoliated graphene for lithium storage. <i>Energy Storage Materials</i> , 2019 , 18, 174-181	19.4	10
283	Formation Mechanisms of ZnO Spherulites and Derivatives. <i>Crystal Growth and Design</i> , 2019 , 19, 249-257	3.5	3
282	Reversed Crystal Growth. <i>Crystals</i> , 2019 , 9, 7	2.3	7
281	Direct growth of SnO ₂ nanocrystallites on electrochemically exfoliated graphene for lithium storage. <i>Journal of Energy Storage</i> , 2019 , 21, 647-656	7.8	11
280	M ₃ O(Mn ⁴⁺) ₂ clusters in doped MnO _x catalysts as promoted active sites for the aerobic oxidation of 5-hydroxymethylfurfural. <i>Catalysis Science and Technology</i> , 2018 , 8, 2299-2303	5.5	34
279	An efficient synthetic strategy for uniform perovskite core-shell nanocubes NaMgF ₃ :Mn ²⁺ ,Yb ³⁺ @NaMgF ₃ :Yb ³⁺ with enhanced near infrared upconversion luminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2342-2350	7.1	3
278	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn ²⁺ -Activated Narrow Band Fluoride Phosphors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1797-1801	16.4	70
277	Cobalt Diselenide Nanorods Grafted on Graphitic Carbon Nitride: A Synergistic Catalyst for Oxygen Reactions in Rechargeable LiO ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 5-5	4.3	1
276	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn ⁴⁺ -Activated Narrow Band Fluoride Phosphors. <i>Angewandte Chemie</i> , 2018 , 130, 1815-1819	3.6	6
275	Covalently Immobilized Lipase on a Thermo-responsive Polymer with an Upper Critical Solution Temperature as an Efficient and Recyclable Asymmetric Catalyst in Aqueous Media. <i>ChemCatChem</i> , 2018 , 10, 1166-1172	5.2	15
274	Topotactic anion-exchange in thermoelectric nanostructured layered tin chalcogenides with reduced selenium content. <i>Chemical Science</i> , 2018 , 9, 3828-3836	9.4	24
273	The Ti ₃ AlC ₂ MAX Phase as an Efficient Catalyst for Oxidative Dehydrogenation of n-Butane. <i>Angewandte Chemie</i> , 2018 , 130, 1501-1506	3.6	14
272	The Ti AlC MAX Phase as an Efficient Catalyst for Oxidative Dehydrogenation of n-Butane. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1485-1490	16.4	38
271	Cobalt Diselenide Nanorods Grafted on Graphitic Carbon Nitride: A Synergistic Catalyst for Oxygen Reactions in Rechargeable LiO ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 29-35	4.3	13

270	The role of Bi-doping in promoting electron transfer and catalytic performance of Pt/3DOM-Ce1BiO2. <i>Journal of Catalysis</i> , 2018 , 365, 292-302	7.3	37
269	Growth Mechanism of Dendritic Hematite via Hydrolysis of Ferricyanide. <i>Crystal Growth and Design</i> , 2017 , 17, 800-808	3.5	11
268	Chlorine-Enabled Electron Doping in Solution-Synthesized SnSe Thermoelectric Nanomaterials. <i>Advanced Energy Materials</i> , 2017 , 7, 1602328	21.8	48
267	Ultrafast Elemental and Oxidation-State Mapping of Hematite by 4D Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4916-4922	16.4	23
266	Transmission electron microscopy analysis of some transition metal compounds for energy storage and conversion. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 90, 62-79	14.6	8
265	Multivalent Cation Cross-Linking Suppresses Highly Energetic Graphene Oxide's Flammability. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5829-5835	3.8	14
264	STA-20: An ABC-6 Zeolite Structure Prepared by Co-Templating and Solved via a Hypothetical Structure Database and STEM-ADF Imaging. <i>Chemistry of Materials</i> , 2017 , 29, 2180-2190	9.6	31
263	Nanocone Decorated ZnO Microspheres Exposing the (0001) Plane and Enhanced Photocatalytic Properties. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1601238	4.6	14
262	Metal-Organic-Framework-Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. <i>Advanced Materials</i> , 2017 , 29, 1700874	24	518
261	Ternary CdS/Au/3DOM-SrTiO ₃ composites with synergistic enhancement for hydrogen production from visible-light photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2017 , 215, 74-84	21.8	67
260	Aluminate Red Phosphor in Light-Emitting Diodes: Theoretical Calculations, Charge Varieties, and High-Pressure Luminescence Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23995-24004	9.5	34
259	Chemistry of Hydrolysis of FeCl ₃ in the Presence of Phosphate to Form Hematite Nanotubes and Nanorings. <i>Crystal Growth and Design</i> , 2017 , 17, 5975-5983	3.5	8
258	Controlling of Structural Ordering and Rigidity of SiAlON:Eu through Chemical Cosubstitution to Approach Narrow-Band-Emission for Light-Emitting Diodes Application. <i>Chemistry of Materials</i> , 2017 , 29, 6781-6792	9.6	39
257	Enhanced Photoluminescence Emission and Thermal Stability from Introduced Cation Disorder in Phosphors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11766-11770	16.4	134
256	Large-Scale Surfactant-Free Synthesis of p-Type SnTe Nanoparticles for Thermoelectric Applications. <i>Materials</i> , 2017 , 10,	3.5	18
255	Reversed Crystal Growth of Calcite in Naturally Occurring Travertine Crust. <i>Crystals</i> , 2017 , 7, 36	2.3	7
254	Formation Mechanism of CaCO ₃ Spherulites in the Myostracum Layer of Limpet Shells. <i>Crystals</i> , 2017 , 7, 319	2.3	13
253	Hierarchical structured graphene/metal oxide/porous carbon composites as anode materials for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2016 , 73, 102-110	5.1	32

252	Ru/TiO ₂ -catalysed hydrogenation of xylose: the role of the crystal structure of the support. <i>Catalysis Science and Technology</i> , 2016 , 6, 577-582	5.5	51
251	Preparation of Fe ₂ O ₃ hollow spheres, nanotubes, nanoplates and nanorings as highly efficient Cr(VI) adsorbents. <i>RSC Advances</i> , 2016 , 6, 82854-82861	3.7	21
250	Relaxor-to-Ferroelectric Crossover and Disruption of Polar Order in Empty Tetragonal Tungsten Bronzes. <i>Chemistry of Materials</i> , 2016 , 28, 4616-4627	9.6	25
249	Highly efficient synthesis of LTA-type aluminophosphate molecular sieve by improved ionothermal method. <i>New Journal of Chemistry</i> , 2016 , 40, 2444-2450	3.6	9
248	Synthesis and Formation Mechanism of Textured MOF-5. <i>Crystal Growth and Design</i> , 2016 , 16, 2104-2111	3.5	34
247	Formation, crystal growth and colour appearance of Mimetic Tianmu glaze. <i>Ceramics International</i> , 2016 , 42, 7506-7513	5.1	5
246	Dipole field driven morphology evolution in biomimetic vaterite. <i>CrystEngComm</i> , 2016 , 18, 1585-1599	3.3	11
245	Zeolite-derived hybrid materials with adjustable organic pillars. <i>Chemical Science</i> , 2016 , 7, 3589-3601	9.4	24
244	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie</i> , 2016 , 128, 6543-6547	3.6	8
243	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6433-7	16.4	71
242	Ultra-small photoluminescent silicon-carbide nanocrystals by atmospheric-pressure plasmas. <i>Nanoscale</i> , 2016 , 8, 17141-17149	7.7	30
241	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg ₂ Al ₂ N ₄] Phosphor for White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2016 , 28, 6822-6825	9.6	95
240	Surface Charge Driven Growth of Eight-Branched Cu ₂ O Crystals. <i>Crystal Growth and Design</i> , 2016 , 16, 5377-5384	3.5	7
239	What Can Electron Microscopy Tell Us Beyond Crystal Structures?. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 941-950	2.3	33
238	Phase transformation of Mg-calcite to aragonite in active-forming hot spring travertines. <i>Mineralogy and Petrology</i> , 2015 , 109, 453-462	1.6	15
237	Structural Ordering and Charge Variation Induced by Cation Substitution in (Sr,Ca)AlSiN ₃ :Eu Phosphor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8936-9	16.4	151
236	The role of surface hydrolysis of ferricyanide anions in crystal growth of snowflake-shaped Fe ₂ O ₃ . <i>Chemical Communications</i> , 2015 , 51, 9350-3	5.8	8
235	Cs ₇ Sm ₁₁ [TeO ₃] ₁₂ Cl ₁₆ and Rb ₇ Nd ₁₁ [TeO ₃] ₁₂ Br ₁₆ , the new tellurite halides of the tetragonal Rb ₆ LiNd ₁₁ [SeO ₃] ₁₂ Cl ₁₆ structure type. <i>Journal of Solid State Chemistry</i> , 2015 , 232, 56-61	3.3	5

234	Reversed Crystal Growth of RHO Zeolitic Imidazolate Framework (ZIF). <i>Chemistry - A European Journal</i> , 2015 , 21, 19090-5	4.8	12
233	Facile Synthesis of (110)-Plane-Exposed Au Microflowers as High Sensitive Hydrogen Peroxide Sensors. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2528-2533	2.3	2
232	Exfoliated Anatase TiO ₂ Microcages: Topotactic Synthesis and Ultrastable Li-Ion Storage. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500210	4.6	18
231	The application of inelastic neutron scattering to investigate a hydrogen pre-treatment stage of an iron Fischer-Tropsch catalyst. <i>Applied Catalysis A: General</i> , 2015 , 489, 209-217	5.1	13
230	The application of inelastic neutron scattering to investigate CO hydrogenation over an iron Fischer-Tropsch synthesis catalyst. <i>Journal of Catalysis</i> , 2014 , 312, 221-231	7.3	30
229	Chemical Pressure Control for Photoluminescence of MSiAl ₂ O ₃ N ₂ :Ce ³⁺ /Eu ²⁺ (M = Sr, Ba) Oxynitride Phosphors. <i>Chemistry of Materials</i> , 2014 , 26, 2075-2085	9.6	87
228	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. <i>Chemistry of Materials</i> , 2014 , 26, 2991-3001	9.6	183
227	Microstructural study of the formation mechanism of metal-organic framework MOF-5. <i>CrystEngComm</i> , 2014 , 16, 1064-1070	3.3	38
226	Domination of second-sphere shrinkage effect to improve photoluminescence of red nitride phosphors. <i>Inorganic Chemistry</i> , 2014 , 53, 12822-31	5.1	22
225	One-step synthesis and shape-control of CuPd nanowire networks. <i>Nanoscale</i> , 2014 , 6, 1093-8	7.7	41
224	Membrane lipid peroxidation by the peroxidase-like activity of magnetite nanoparticles. <i>Chemical Communications</i> , 2014 , 50, 11147-50	5.8	33
223	Surface ligand mediated growth of CuPt nanorods. <i>CrystEngComm</i> , 2014 , 16, 1714	3.3	9
222	Zeolites with continuously tuneable porosity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13210-14	10.4	82
221	A three-dimensional Mn ₃ O ₄ network supported on a nitrogenated graphene electrocatalyst for efficient oxygen reduction reaction in alkaline media. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14493-14501	11.3	111
220	Zeolites with Continuously Tuneable Porosity. <i>Angewandte Chemie</i> , 2014 , 126, 13426-13430	3.6	22
219	Iron ochre - a pre-catalyst for the cracking of methane. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1317-1323	3.5	15
218	Advances in Carbon-Incorporated Non-Noble Transition Metal Catalysts for Oxygen Reduction Reaction in Polymer Electrolyte Fuel Cells. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 93-100	1.5	13
217	Intermediate compositions in the series Bi ₂ O ₃ -M ₂ O ₅ structures incorporating elements of perovskite and fluorite. <i>Geophysical Monograph Series</i> , 2013 , 113-117	1.1	5

216	Semiconducting quantum confined silicon-tin alloyed nanocrystals prepared by ns pulsed laser ablation in water. <i>Nanoscale</i> , 2013 , 5, 6725-30	7.7	12
215	Improved Optoelectronic Properties of Silicon Nanocrystals/Polymer Nanocomposites by Microplasma-Induced Liquid Chemistry. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23198-23207	3.8	31
214	True liquid crystal templating of SBA-15 with reduced microporosity. <i>Microporous and Mesoporous Materials</i> , 2013 , 172, 112-117	5.3	15
213	Formation of anodic TiO ₂ nanotube arrays with bimodal pore size distribution. <i>Electrochemistry Communications</i> , 2013 , 31, 67-70	5.1	11
212	Reversed crystal growth of rhombohedral calcite in the presence of chitosan and gum arabic. <i>CrystEngComm</i> , 2013 , 15, 10266	3.3	17
211	Alloying and dealloying of CuPt bimetallic nanocrystals. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 331-337	3.6	17
210	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. <i>Chemistry of Materials</i> , 2013 , 25, 542-547	9.6	66
209	Representative Mesoporous Silica Molecular Sieves 2013 , 153-217		4
208	Structural Characterization Methods 2013 , 117-151		2
207	Morphology Control 2013 , 243-292		
206	Synthesis Approach of Mesoporous Molecular Sieves 2013 , 5-54		1
205	Mechanisms for Formation of Mesoporous Materials 2013 , 55-116		1
204	Doping in Mesoporous Molecular Sieves 2013 , 219-242		1
203	Mesoporous Nonsilica Materials 2013 , 293-428		5
202	Applications of Mesoporous Molecular Sieves 2013 , 465-511		
201	Reversed crystal growth of ZnO microdisks. <i>Chemical Communications</i> , 2013 , 49, 5411-3	5.8	21
200	Organic Group Functionalized Mesoporous Silicas 2013 , 429-463		
199	NIR-assisted orchid virus therapy using urchin bimetallic nanomaterials in phalaenopsis. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013 , 4, 045006	1.6	3

198	Nanosegregation and neighbor-cation control of photoluminescence in carbidonitridosilicate phosphors. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8102-6	16.4	38
197	A new family of two-dimensional zeolites prepared from the intermediate layered precursor IPC-3P obtained during the synthesis of TUN zeolite. <i>Chemistry - A European Journal</i> , 2013 , 19, 13937-45	4.8	19
196	2013 ,		97
195	Syntheses and proton conductivity of mesoporous Nd ₂ O ₃ BiO ₂ and NdOClBiO ₂ composites. <i>Journal of Materials Science</i> , 2012 , 47, 2146-2154	4.3	10
194	Combined positron-annihilation and structural studies of hydrothermally grown zirconia. <i>Nanomaterials and Energy</i> , 2012 , 1, 97-105	1.1	5
193	Vertical graphene nanoflakes for the immobilization, electrocatalytic oxidation and quantitative detection of DNA. <i>Electrochemistry Communications</i> , 2012 , 25, 140-143	5.1	6
192	Dipole field guided orientated attachment of nanocrystals to twin-brush ZnO mesocrystals. <i>Chemistry - A European Journal</i> , 2012 , 18, 16104-13	4.8	30
191	Electron microscopic studies of growth of nanoscale catalysts and soot particles in a candle flame. <i>Applied Petrochemical Research</i> , 2012 , 2, 15-21	1.9	2
190	Formation mechanism of hollow microspheres consisting of ZnO nanosheets. <i>CrystEngComm</i> , 2012 , 14, 8615	3.3	11
189	Growth mechanism of C60/mesitylene nanowires. <i>CrystEngComm</i> , 2012 , 14, 1449-1454	3.3	9
188	Multiple Nucleation and Crystal Growth of Barium Titanate. <i>Crystal Growth and Design</i> , 2012 , 12, 1247-1253	3.5	61
187	Blue Emission by Interstitial Site Occupation of Ce ³⁺ in AlN. <i>Chemistry of Materials</i> , 2012 , 24, 3486-3492	9.6	52
186	Facile Synthesis of Branched Ruthenium Nanocrystals and Their Use in Catalysis. <i>Crystal Growth and Design</i> , 2012 , 12, 939-942	3.5	27
185	Anodic formation of nanoporous and nanotubular metal oxides. <i>Journal of Materials Chemistry</i> , 2012 , 22, 535-544		50
184	The origin of ZnO twin crystals in bio-inspired synthesis. <i>CrystEngComm</i> , 2012 , 14, 1247-1255	3.3	30
183	Hidden crystalline components in mesoporous silicate. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23141		4
182	Controllable selective exfoliation of high-quality graphene nanosheets and nanodots by ionic liquid assisted grinding. <i>Chemical Communications</i> , 2012 , 48, 1877-9	5.8	111
181	Directly Imaging Interstitial Oxygen in Silicate Apatite. <i>Advanced Energy Materials</i> , 2012 , 2, 316-321	21.8	26

180	Ten years of electron microscopy of nanomaterials in St. Andrews. <i>International Journal of Nanotechnology</i> , 2012 , 9, 69	1.5	
179	Synthesis and characterization of hybrid organic/inorganic nanotubes of the imogolite type and their behaviour towards methane adsorption. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 744-50	3.6	91
178	Pore diameter control in anodic titanium and aluminium oxides. <i>Journal of Materials Chemistry</i> , 2011 , 21, 357-362		37
177	New insight into the soot nanoparticles in a candle flame. <i>Chemical Communications</i> , 2011 , 47, 4700-2	5.8	70
176	Electron diffraction and HRTEM imaging of beam-sensitive materials. <i>Crystallography Reviews</i> , 2011 , 17, 163-185	1.3	28
175	Formation, morphology control and applications of anodic TiO ₂ nanotube arrays. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8955		162
174	Early stages of non-classic crystal growth. <i>Science China Chemistry</i> , 2011 , 54, 1867-1876	7.9	10
173	One-Step Synthesis of Bismuth Telluride Nanosheets of a Few Quintuple Layers in Thickness. <i>Angewandte Chemie</i> , 2011 , 123, 10581-10585	3.6	8
172	One-step synthesis of bismuth telluride nanosheets of a few quintuple layers in thickness. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10397-401	16.4	59
171	Accelerated electron beam induced breakdown of commercial WO ₃ into nanorods in the presence of triethylamine. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20923-6	3.6	10
170	Aptamer conjugated Mo(6)S(9-x)I(x) nanowires for direct and highly sensitive electrochemical sensing of thrombin. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1853-9	11.8	29
169	Neutron powder diffraction and magnetic studies of mesoporous Co ₃ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 226-231	2.8	17
168	Crystal growth of Si nanowires and formation of longitudinal planar defects. <i>CrystEngComm</i> , 2010 , 12, 2793	3.3	24
167	The influence of hydroxide on the initial stages of anodic growth of TiO ₂ nanotubular arrays. <i>Nanotechnology</i> , 2010 , 21, 505601	3.4	16
166	Synthesis and in situ transformation of PST-1: a potassium gallosilicate natrolite with a high Ga content. <i>Dalton Transactions</i> , 2010 , 39, 2246-53	4.3	6
165	Assessing molecular transport properties of nanoporous materials by interference microscopy: remarkable effects of composition and microstructure on diffusion in the silicoaluminophosphate zeotype STA-7. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11665-70	16.4	35
164	Formation mechanism of CaTiO ₃ hollow crystals with different microstructures. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14279-87	16.4	177
163	Novel Large-Pore Aluminophosphate Molecular Sieve STA-15 Prepared Using the Tetrapropylammonium Cation As a Structure Directing Agent. <i>Chemistry of Materials</i> , 2010 , 22, 338-346	9.6	31

162	Reversed crystal growth: implications for crystal engineering. <i>Advanced Materials</i> , 2010 , 22, 3086-92	24	74
161	In situ EPR studies of electron trapping in a nanocrystalline rutile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 216, 238-243	4.7	29
160	Crystallographic and magnetic studies of mesoporous eskolaite,. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 280-286	5.3	30
159	Disruption of extended defects in solid oxide fuel cell anodes for methane oxidation 2010 , 251-254		
158	Syntheses, Li Insertion, and Photoactivity of Mesoporous Crystalline TiO ₂ . <i>Advanced Functional Materials</i> , 2009 , 19, 2826-2833	15.6	129
157	Chemically blockable transformation and ultrasensitive low-pressure gas adsorption in a non-porous metal organic framework. <i>Nature Chemistry</i> , 2009 , 1, 289-94	17.6	176
156	TUD-C: A tunable, hierarchically structured mesoporous zeolite composite. <i>Microporous and Mesoporous Materials</i> , 2009 , 120, 19-28	5.3	42
155	Structural, thermal and electrochemical properties of layered perovskite SmBaCo ₂ O _{5+d} , a potential cathode material for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009 , 194, 704-711	8.9	96
154	Dissociation of water during formation of anodic aluminum oxide. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8697-702	16.4	55
153	Uncovering a Solvent-Controlled Preferential Growth of Buckminsterfullerene (C ₆₀) Nanowires. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6390-6397	3.8	27
152	Early stage reversed crystal growth of zeolite A and its phase transformation to sodalite. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17986-92	16.4	114
151	Robust Antiferromagnetism and Structural Disorder in Bi _x Ca _{1-x} FeO ₃ Perovskites. <i>Chemistry of Materials</i> , 2009 , 21, 2085-2093	9.6	49
150	Ionic nano-convection in anodisation of aluminium plate. <i>Chemical Communications</i> , 2009 , 5639-41	5.8	7
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