

Dongfeng Xue

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496
papers

18,205
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71
h-index

108
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580
ext. papers

19,677
ext. citations

4.1
avg, IF

7.42
L-index

#	Paper	IF	Citations
496	Folded structured graphene paper for high performance electrode materials. <i>Advanced Materials</i> , 2012 , 24, 1089-94	24	576
495	Double-shelled nanocapsules of V2O5-based composites as high-performance anode and cathode materials for Li ion batteries. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12086-7	16.4	506
494	Estimation of electronegativity values of elements in different valence states. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 11332-7	2.8	419
493	Structural design of graphene for use in electrochemical energy storage devices. <i>Chemical Society Reviews</i> , 2015 , 44, 6230-57	58.5	343
492	Recent developments in the chemical synthesis of inorganic porous capsules. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6073		303
491	Thermal Oxidation Strategy towards Porous Metal Oxide Hollow Architectures. <i>Advanced Materials</i> , 2008 , 20, 2622-2627	24	281
490	Electronegativity identification of novel superhard materials. <i>Physical Review Letters</i> , 2008 , 100, 235504	7.4	250
489	Formation of Nb2O5 Nanotube Arrays Through Phase Transformation**. <i>Advanced Materials</i> , 2008 , 20, 1055-1058	24	193
488	Chemical bond analysis of the crystal growth of KDP and ADP. <i>Journal of Crystal Growth</i> , 2006 , 286, 108-113		190
487	Anisotropic Co3O4 porous nanocapsules toward high-capacity Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1506		187
486	Selected Controlled Synthesis of Three-Dimensional 4d/5f Heterometallic Coordination Frameworks by Lanthanide Carboxylate Subunits and Silver Centers. <i>Crystal Growth and Design</i> , 2006 , 6, 2551-2557	3.5	178
485	Five branching growth patterns in the cubic crystal system: A direct observation of cuprous oxide microcrystals. <i>Acta Materialia</i> , 2007 , 55, 2397-2406	8.4	177
484	Hollow Nanostructured Anode Materials for Li-Ion Batteries. <i>Nanoscale Research Letters</i> , 2010 , 5, 1525-34		166
483	Crystallization design of MnO2 towards better supercapacitance. <i>CrystEngComm</i> , 2012 , 14, 5892	3.3	165
482	Spontaneous growth and luminescence of zinc sulfide nanobelts. <i>Applied Physics Letters</i> , 2003 , 82, 1769-1771	3.71	164
481	Tube Formation in Nanoscale Materials. <i>Nanoscale Research Letters</i> , 2008 , 3, 473-80	5	154
480	Microwave-Hydrothermal Crystallization of Polymorphic MnO2 for Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10770-10779	3.8	148

479	Conversion of ZnO nanorod arrays into ZnO/ZnS nanocable and ZnS nanotube arrays via an in situ chemistry strategy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25850-5	3.4	143
478	Rapid and scalable route to CuS biosensors: a microwave-assisted Cu-complex transformation into CuS nanotubes for ultrasensitive nonenzymatic glucose sensor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 223-228		142
477	SO ₄ ²⁻ ions direct the one-dimensional growth of 5Mg(OH)2·MgSO4·2H2O. <i>Acta Materialia</i> , 2007 , 55, 5747-5757	8.4	140
476	Novel self-assembled MgO nanosheet and its precursors. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12358-61	5.4	137
475	Template-free solvothermal synthesis of yolk-shell V2O5 microspheres as cathode materials for Li-ion batteries. <i>Chemical Communications</i> , 2011 , 47, 10380-2	5.8	136
474	Spontaneously resolved homochiral 3D lanthanide-silver heterometallic coordination framework with extended helical Ln-O-Ag subunits. <i>Inorganic Chemistry</i> , 2006 , 45, 9257-61	5.1	136
473	Oriented Assemblies of ZnS One-Dimensional Nanostructures. <i>Advanced Materials</i> , 2004 , 16, 831-834	24	129
472	Room temperature fabrication of hollow ZnS and ZnO architectures by a sacrificial template route. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7102-6	3.4	127
471	Polymorphology formation of Cu2O: A microscopic understanding of single crystal growth from both thermodynamic and kinetic models. <i>Journal of Crystal Growth</i> , 2009 , 311, 711-715	1.6	120
470	Nonlinear optical properties of borate crystals. <i>Solid State Communications</i> , 2000 , 114, 21-25	1.6	117
469	Surface modification of high-nuclearity lanthanide clusters: two tetramers constructed by cage-shaped [Dy26] clusters and isonicotinate linkers. <i>Inorganic Chemistry</i> , 2007 , 46, 3212-6	5.1	116
468	Self-assembly of 3-D 4d ^{mf} coordination frameworks based on 1-D inorganic heterometallic chains and linear organic linkers. <i>CrystEngComm</i> , 2007 , 9, 471-477	3.3	116
467	Dielectric characterization of the defect concentration in lithium niobate single crystals. <i>Solid State Communications</i> , 2002 , 122, 537-541	1.6	112
466	Crystal growth of KDP, ADP, and KADP. <i>Journal of Crystal Growth</i> , 2008 , 310, 2005-2009	1.6	111
465	Materials chemistry toward electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7522-7537	13	110
464	Preparation of magnesium hydroxide nanoflowers. <i>Journal of Crystal Growth</i> , 2005 , 282, 448-454	1.6	109
463	Morphosynthesis of hierarchical hydrozincite with tunable surface architectures and hollow zinc oxide. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11076-80	3.4	108
462	Crystal chemistry of borates: the classification and algebraic description by topological type of fundamental building blocks. <i>Acta Crystallographica Section B: Structural Science</i> , 2007 , 63, 353-62		107

- 461 Nanocable-aligned ZnS tetrapod nanocrystals. *Journal of the American Chemical Society*, **2003**, 125, 16196-16674 106
- 460 Morphology and structure studies of KDP and ADP crystallites in the water and ethanol solutions. *Journal of Molecular Structure*, **2005**, 740, 37-45 3.4 106
- 459 Fabrication of malachite with a hierarchical sphere-like architecture. *Journal of Physical Chemistry B*, **2005**, 109, 17157-61 3.4 100
- 458 One-pot synthesis of mesoporous interconnected carbon-encapsulated Fe₃O₄ nanospheres as superior anodes for Li-ion batteries. *RSC Advances*, **2012**, 2, 2262 3.7 99
- 457 Effect of hydrogen bonds on optical nonlinearities of inorganic crystals. *Chemical Physics Letters*, **1999**, 301, 449-452 2.5 98
- 456 Progress of Science and Technology of ZnO as Advanced Material. *Science of Advanced Materials*, **2011**, 3, 127-149 2.3 95
- 455 Sulfur-Induced Interface Engineering of Hybrid NiCo₂O₄@NiMo₂S₄ Structure for Overall Water Splitting and Flexible Hybrid Energy Storage. *Advanced Materials Interfaces*, **2019**, 6, 1901308 4.6 94
- 454 Multiple NaNbO₃/Nb₂O₅ heterostructure nanotubes: a new class of ferroelectric/semiconductor nanomaterials. *Advanced Materials*, **2010**, 22, 1741-5 24 93
- 453 A Modified Electroless Deposition Route to Dendritic Cu Metal Nanostructures. *Crystal Growth and Design*, **2008**, 8, 1849-1854 3.5 93
- 452 MORPHOLOGY EVOLUTION AT NANO- TO MICRO-SCALE. *Functional Materials Letters*, **2008**, 01, 167-172 1.2 93
- 451 Incorporating Metal Clusters into Three-Dimensional Ln(III)/Cu(I) Coordination Frameworks through Linear Ligands. *Crystal Growth and Design*, **2007**, 7, 1726-1732 3.5 92
- 450 Dielectric constants of binary rare-earth compounds. *Journal of Physics Condensed Matter*, **2000**, 12, 3113-3118 1.8 92
- 449 Solvothermal synthesis of CuS semiconductor hollow spheres based on a bubble template route. *Journal of Crystal Growth*, **2009**, 311, 500-503 1.6 90
- 448 3D coordination framework [Ln₄(μ₃-OH)₂Cu₆I₅(IN)₈(OAc)₃] (IN = isonicotinate): employing 2D layers of lanthanide wheel clusters and 1D chains of copper halide clusters. *Inorganic Chemistry*, **2007**, 46, 5349-53 5.1 89
- 447 Mesoporous NiCo₂O₄ nanoneedle arrays as supercapacitor electrode materials with excellent cycling stabilities. *Inorganic Chemistry Frontiers*, **2018**, 5, 835-843 6.8 88
- 446 An electrochemical route to quantitative oxidation of graphene frameworks with controllable C/O ratios and added pseudocapacitances. *Chemistry - A European Journal*, **2013**, 19, 10716-22 4.8 88
- 445 Structural stability and formability of ABO₃-type perovskite compounds. *Acta Crystallographica Section B: Structural Science*, **2007**, 63, 812-8 87
- 444 Room-Temperature Chemical Transformation Route to CuO Nanowires toward High-Performance Electrode Materials. *Journal of Physical Chemistry C*, **2013**, 117, 22576-22583 3.8 85

443	Morphology engineering of high performance binary oxide electrodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 732-50	3.6	84
442	Critical silicon-anode size for averting lithiation-induced mechanical failure of lithium-ion batteries. <i>RSC Advances</i> , 2013 , 3, 7398	3.7	84
441	pH-assisted crystallization of Cu ₂ O: chemical reactions control the evolution from nanowires to polyhedra. <i>CrystEngComm</i> , 2012 , 14, 8068	3.3	83
440	Sn-based nanomaterials converted from SnS nanobelts: Facile synthesis, characterizations, optical properties and energy storage performances. <i>Electrochimica Acta</i> , 2010 , 56, 243-250	6.7	82
439	Carbon with ultrahigh capacitance when graphene paper meets K ₃ Fe(CN) ₆ . <i>Nanoscale</i> , 2015 , 7, 432-9	7.7	81
438	Chemical bond simulation of KADP single-crystal growth. <i>Journal of Crystal Growth</i> , 2008 , 310, 1385-1390	6.6	81
437	Vapor-phase crystallization route to oxidized Cu foils in air as anode materials for lithium-ion batteries. <i>CrystEngComm</i> , 2013 , 15, 144-151	3.3	80
436	Phase selective route to Ni(OH) ₂ with enhanced supercapacitance: Performance dependent hydrolysis of Ni(Ac) ₂ at hydrothermal conditions. <i>Electrochimica Acta</i> , 2012 , 78, 1-10	6.7	77
435	Chemical bond analysis of the correlation between crystal structure and nonlinear optical properties of complex crystals. <i>Physica B: Condensed Matter</i> , 1999 , 262, 78-83	2.8	77
434	Preparation of colloidal graphene in quantity by electrochemical exfoliation. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 41-6	9.3	76
433	Size-dependent oxygen storage ability of nano-sized ceria. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14414-9	3.6	76
432	Hydrophobic precipitation of carbonaceous spheres from fructose by a hydrothermal process. <i>Carbon</i> , 2012 , 50, 2155-2161	10.4	76
431	Single-crystalline nanoporous Nb ₂ O ₅ nanotubes. <i>Nanoscale Research Letters</i> , 2011 , 6, 138	5	75
430	Chemical synthesis of NaTaO ₃ powder at low-temperature. <i>Materials Letters</i> , 2005 , 59, 2920-2922	3.3	73
429	Calculation of the nonlinear optical coefficient of the crystal. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 1949-1956	1.8	72
428	Challenges and perspectives of NASICON-type solid electrolytes for all-solid-state lithium batteries. <i>Nanotechnology</i> , 2020 , 31, 132003	3.4	72
427	Electroless deposition of aligned ZnO taper-tubes in a strong acidic medium. <i>Electrochemistry Communications</i> , 2007 , 9, 1247-1251	5.1	71
426	A Comparison of NiMo/Al ₂ O ₃ Catalysts Prepared by Impregnation and Coprecipitation Methods for Hydrodesulfurization of Dibenzothiophene. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7396-7402	3.8	71

425	Chemoaffinity-mediated crystallization of Cu ₂ O: a reaction effect on crystal growth and anode property. <i>CrystEngComm</i> , 2013 , 15, 1739	3.3	70
424	Influence of heat treatment on the nanocrystalline structure of ZnO film deposited on p-Si. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 885-889	5.7	66
423	Boosting the Zn-ion storage capability of birnessite manganese oxide nanoflorets by La ³⁺ intercalation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22079-22083	13	65
422	Beyond graphene: materials chemistry toward high performance inorganic functional materials. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2441-2453	13	65
421	Water-soluble inorganic salts with ultrahigh specific capacitance: crystallization transformation investigation of CuCl ₂ electrodes. <i>CrystEngComm</i> , 2013 , 15, 10367	3.3	65
420	SYNTHESIS OF DESIGNED TEMPLATES FOR NOVEL SEMICONDUCTOR MATERIALS WITH HOLLOW STRUCTURES. <i>Functional Materials Letters</i> , 2008 , 01, 37-42	1.2	65
419	Self-assembled porous hierarchical-like CoO@C microsheets transformed from inorganic/organic precursors and their lithium-ion battery application. <i>CrystEngComm</i> , 2012 , 14, 2669	3.3	63
418	In-situ electrochemical route to aerogel electrode materials of graphene and hexagonal CeO ₂ . <i>Journal of Colloid and Interface Science</i> , 2015 , 446, 77-83	9.3	62
417	CoCl ₂ Designed as Excellent Pseudocapacitor Electrode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 440-444	8.3	60
416	Cation-Induced Coiling of Vanadium Pentoxide Nanobelts. <i>Nanoscale Research Letters</i> , 2010 , 5, 1619-26	5	59
415	Dielectric properties of I-III-VI ₂ -type chalcopyrite semiconductors. <i>Physical Review B</i> , 2000 , 62, 13546-13551	5.1	58
414	Tunnel-dependent supercapacitance of MnO ₂ : effects of crystal structure. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1128-1135	3.8	57
413	Faceted Cu ₂ O structures with enhanced Li-ion battery anode performances. <i>CrystEngComm</i> , 2015 , 17, 2110-2117	3.3	56
412	New boron nitride whiskers: showing strong ultraviolet and visible light luminescence. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6193-6	3.4	56
411	A Cs(x)WO ₃ /ZnO nanocomposite as a smart coating for photocatalytic environmental cleanup and heat insulation. <i>Nanoscale</i> , 2015 , 7, 17048-54	7.7	55
410	Chemical Bond Analysis of Nonlinearity of Urea Crystal. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 5547-5550	5.0	55
409	Effect of hydrogen bonds on physical properties of ammonium dihydrogenphosphate crystals. <i>Computational and Theoretical Chemistry</i> , 2005 , 716, 207-210		55
408	Tailoring Anisotropic Morphology at the Nanoregime: Surface Bonding Motif Determines the Morphology Transformation of ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5505-5511	3.8	54

407	Wet routes of high purity BaTiO ₃ nanopowders. <i>Journal of Alloys and Compounds</i> , 2007 , 440, 78-83	5.7	54
406	Solution-phase electronegativity scale: insight into the chemical behaviors of metal ions in solution. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 4192-8	2.8	53
405	Highly efficient CoO/CeO heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 705-715	9.3	53
404	An ionic aqueous pseudocapacitor system: electroactive ions in both a salt electrode and redox electrolyte. <i>RSC Advances</i> , 2014 , 4, 23338	3.7	52
403	A Flexible and Ultrahigh Energy Density Capacitor via Enhancing Surface/Interface of Carbon Cloth Supported Colloids. <i>Advanced Energy Materials</i> , 2018 , 8, 1703329	21.8	51
402	Phase Transformation of Ce ³⁺ -Doped MnO ₂ for Pseudocapacitive Electrode Materials. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20077-20081	3.8	51
401	Molten salt route of well dispersive barium titanate nanoparticles. <i>Powder Technology</i> , 2012 , 217, 629-633	3.3	51
400	Crystallization and functionality of inorganic materials. <i>Materials Research Bulletin</i> , 2012 , 47, 2838-2842	5.1	50
399	Mild, quasireverse emulsion route to submicrometer lithium niobate hollow spheres. <i>Langmuir</i> , 2006 , 22, 9914-8	4	50
398	MOF-Derived Hollow Co ₃ S ₄ Quasi-polyhedron/MWCNT Nanocomposites as Electrodes for Advanced Lithium Ion Batteries and Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018 , 1, 402-410	6.1	49
397	Chemical bonding theory of single crystal growth and its application to ? 3?? YAG bulk crystal. <i>CrystEngComm</i> , 2014 , 16, 2129	3.3	49
396	Dopant occupancy and structural stability of doped lithium niobate crystals. <i>Physical Review B</i> , 2006 , 73,	3.3	49
395	Fabrication of copper hydroxyphosphate with complex architectures. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7750-6	3.4	49
394	Water-soluble inorganic salt with ultrahigh specific capacitance: Ce(NO ₃) ₃ can be designed as excellent pseudocapacitor electrode. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 172-6	9.3	48
393	Enhancing the electrochemical performance of the LiMn ₂ O ₄ hollow microsphere cathode with a LiNi _{0.5} Mn _{1.5} O ₄ coated layer. <i>Chemistry - A European Journal</i> , 2014 , 20, 824-30	4.8	48
392	Preparation of nanoporous tin oxide by electrochemical anodization in alkaline electrolytes. <i>Electrochimica Acta</i> , 2011 , 56, 8797-8801	6.7	48
391	Production of specific Mg(OH) ₂ granules by modifying crystallization conditions. <i>Powder Technology</i> , 2009 , 191, 98-106	5.2	48
390	CRYSTALLIZATION OF OXIDES AS FUNCTIONAL MATERIALS. <i>Functional Materials Letters</i> , 2012 , 05, 1230002	0.2	47

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- 382 Hydrothermal route to crystallization of FeOOH nanorods via FeCl₃·6H₂O: effect of Fe³⁺ concentration on pseudocapacitance of iron-based materials. *CrystEngComm*, **2015**, 17, 1906-1910 3.3 45
- 381 Morphology Dependent Supercapacitance of Nanostructured NiCo₂O₄ on Graphitic Carbon Nitride. *Electrochimica Acta*, **2016**, 200, 239-246 6.7 45
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- 379 A chemical reaction controlled mechanochemical route to construction of CuO nanoribbons for high performance lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 19708-14 3.6 44
- 378 MILD SOLUTION ROUTE TO MIXED-PHASE MnO₂ WITH ENHANCED ELECTROCHEMICAL CAPACITANCE. *Functional Materials Letters*, **2011**, 04, 57-60 1.2 44
- 377 Soft-chemistry synthesis of LiNbO₃ crystallites. *Journal of Alloys and Compounds*, **2008**, 449, 28-31 5.7 44
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- 375 Chemical bonding theory of single crystal growth and its application to crystal growth and design. *CrystEngComm*, **2016**, 18, 1262-1272 3.3 43
- 374 Supercapacitor and nanoscale research towards electrochemical energy storage. *International Journal of Smart and Nano Materials*, **2013**, 4, 2-26 3.6 43
- 373 Chemical reaction controlled synthesis of Cu₂O hollow octahedra and core-shell structures. *CrystEngComm*, **2013**, 15, 10028 3.3 43
- 372 Multifunctional inorganic nanomaterials for energy applications. *Nanoscale*, **2020**, 12, 14-42 7.7 43

371	Hardness of materials: studies at levels from atoms to crystals. <i>Science Bulletin</i> , 2009 , 54, 131-136		42
370	Large aspect ratio titanate nanowire prepared by monodispersed titania submicron sphere via simple wet-chemical reactions. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1028-1037	3.3	42
369	Polyhedral construction of hollow ZnO microspheres by CO ₂ bubble templates. <i>Journal of Alloys and Compounds</i> , 2007 , 431, 241-245	5.7	42
368	Bond analyses of borates from the Inorganic Crystal Structure Database. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 702-9		42
367	Rare earth and transitional metal colloidal supercapacitors. <i>Science China Technological Sciences</i> , 2015 , 58, 1768-1778	3.5	41
366	Anisotropic hardness prediction of crystalline hard materials from the electronegativity. <i>Acta Materialia</i> , 2012 , 60, 35-42	8.4	41
365	Slow relaxation of the magnetization in high-nuclearity Ln-complexes. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3873-3876	2.7	41
364	Electrochemical energy storage applications of pristine graphene produced by non-oxidative routes. <i>Science China Technological Sciences</i> , 2015 , 58, 1841-1850	3.5	40
363	A liquid anode for rechargeable sodium-air batteries with low voltage gap and high safety. <i>Nano Energy</i> , 2018 , 49, 574-579	17.1	40
362	Room temperature synthesis of curved ammonium copper molybdate nanoflake and its hierarchical architecture. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17400-5	3.4	40
361	Quantum-Matter Bi/TiO ₂ Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. <i>Small Structures</i> , 2021 , 2, 2000085	8.7	40
360	Crystallization of FeOOH via iron salts: an anion-chemoaffinity controlled hydrolysis toward high performance inorganic pseudocapacitor materials. <i>CrystEngComm</i> , 2015 , 17, 1917-1922	3.3	39
359	Microwave-Irradiation-Assisted Combustion toward Modified Graphite as Lithium Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 909-914	9.5	39
358	Contribution of lone-pairs to birefringence affected by the Pb(II) coordination environment: a DFT investigation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21968-73	3.6	38
357	A binary A(x)B(1-x) ionic alkaline pseudocapacitor system involving manganese, iron, cobalt, and nickel: formation of electroactive colloids via in situ electric field assisted coprecipitation. <i>Nanoscale</i> , 2015 , 7, 1161-6	7.7	38
356	Polymorphic crystallization of Cu ₂ O compound. <i>CrystEngComm</i> , 2014 , 16, 5257-5267	3.3	38
355	In situ ATR-IR observation of nucleation and crystal growth of KH ₂ PO ₄ in aqueous solution. <i>CrystEngComm</i> , 2013 , 15, 10445	3.3	38
354	COMPOSITION DEPENDENCE OF BULK MODULUS AND BOND LENGTH OF Mg _x Zn _{1-x} O (x = 0.0-1.0) ALLOY SEMICONDUCTORS. <i>Functional Materials Letters</i> , 2010 , 03, 241-244	1.2	38

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- 352 An efficient approach for the direct synthesis of lithium niobate powders. *Solid State Ionics*, **2006**, 177, 275-280 3.3 38
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- 349 Colloidal pseudocapacitor: Nanoscale aggregation of Mn colloids from MnCl₂ under alkaline condition. *Journal of Power Sources*, **2015**, 279, 365-371 8.9 37
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- 347 Hydrothermal synthesis of lindgrenite with a hollow and prickly sphere-like architecture. *Journal of Solid State Chemistry*, **2007**, 180, 119-126 3.3 37
- 346 The origin of nonlinearity in KTiOPO₄. *Applied Physics Letters*, **1997**, 70, 943-945 3.4 36
- 345 Solution growth of nano- to microscopic ZnO on Zn. *Journal of Crystal Growth*, **2008**, 310, 1836-1840 1.6 36
- 344 Direct observation of the shape evolution of MgO whiskers in a solution system. *Materials Letters*, **2006**, 60, 3160-3164 3.3 36
- 343 Beyond theoretical capacity in Cu-based integrated anode: Insight into the structural evolution of CuO. *Journal of Power Sources*, **2015**, 275, 136-143 8.9 35
- 342 Design and synthesis of a nonlinear optical material BaAl₄S₇ with a wide band gap inspired from SrB₄O₇. *Journal of Materials Chemistry C*, **2018**, 6, 2684-2689 7.1 35
- 341 Functionality of Fe(NO₃)₃ salts as both positive and negative pseudocapacitor electrodes in alkaline aqueous electrolyte. *Electrochimica Acta*, **2014**, 147, 216-224 6.7 35
- 340 Nanoscale domain switching at crystal surfaces of lithium niobate. *Chemical Physics Letters*, **2003**, 377, 475-480 2.5 35
- 339 Formation of electroactive colloids via in situ coprecipitation under electric field: erbium chloride alkaline aqueous pseudocapacitor. *Journal of Colloid and Interface Science*, **2014**, 430, 265-71 9.3 34
- 338 Direct in situ ATR-IR spectroscopy of structural dynamics of NH₄H₂PO₄ in aqueous solution. *CrystEngComm*, **2013**, 15, 7783 3.3 34
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- 336 Fabrication of hexagonal MgO and its precursors by a homogeneous precipitation method. *Materials Research Bulletin*, **2006**, 41, 2341-2348 5.1 34

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334	Ethylenediamine-assisted crystallization of Fe ₂ O ₃ microspindles with controllable size and their pseudocapacitance performance. <i>CrystEngComm</i> , 2015 , 17, 1521-1525	3.3	33
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12	Facile synthesis of lithium niobate from novel precursor H ₂ (H ₂ O)Nb ₂ O ₆ . <i>Materials Technology</i> , 2012 , 27, 92-94	2.1	1

11	Colloidal to micrometer-sized iron oxides and oxyhydroxides as anode materials for batteries and pseudocapacitors: Electrochemical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 615, 126232	5.1	1
10	Multiscale Investigation into Chemically Stable NASICON Solid Electrolyte in Acidic Solutions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33262-33271	9.5	1
9	Geo-inspired crystallization engineering: multifunctional materials design and fabrication at nanoscale and beyond. <i>Nanotechnology</i> , 2020 , 31, 414002	3.4	0
8	Perspective on Micro-Supercapacitors.. <i>Frontiers in Chemistry</i> , 2021 , 9, 807500	5	0
7	Supercapacitance Property Study of 3D Open-Framework Prussian Blue in Neutral Electrolyte. <i>Science of Advanced Materials</i> , 2021 , 13, 436-446	2.3	0
6	Synthesis and photocatalytic activity of Sr ₄ Al ₁₄ O ₂₅ :(Eu, Dy)/TiO ₂ -xNy composite photocatalyst. <i>International Journal of Nanotechnology</i> , 2013 , 10, 13	1.5	
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