

# Dongfeng Xue

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2752998/dongfeng-xue-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

496  
papers

18,205  
citations

71  
h-index

108  
g-index

580  
ext. papers

19,677  
ext. citations

4.1  
avg, IF

7.42  
L-index

#	Paper	IF	Citations
496	Perspective on Micro-Supercapacitors.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 807500	5	0
495	The Electronic Structural and Defect-Induced Absorption Properties of a Ca <sub>2</sub> B <sub>10</sub> O <sub>14</sub> F <sub>6</sub> Crystal. <i>Crystals</i> , <b>2021</b> , 11, 1430	2.3	
494	State of the Art in Crystallization of LiNbO and Their Applications. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
493	Boosting the Efficiency of Non-fullerene Organic Solar Cells via a Simple Cathode Modification Method. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 51078-51085	9.5	4
492	Supercapacitance Property Study of 3D Open-Framework Prussian Blue in Neutral Electrolyte. <i>Science of Advanced Materials</i> , <b>2021</b> , 13, 436-446	2.3	0
491	High-Performance Quasi-Solid-State Na-Air Battery via Gel Cathode by Confining Moisture. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011151	15.6	5
490	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> , <b>2021</b> , 615, 126232	5.1	1
489	Rapid synthesis of Ba <sub>3</sub> (HPO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O by microwave-hydrothermal process. <i>Ceramics International</i> , <b>2021</b> , 47, 16303-16308	5.1	
488	Multiscale Investigation into Chemically Stable NASICON Solid Electrolyte in Acidic Solutions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33262-33271	9.5	1
487	Dual-phase metal nitrides as highly efficient co-catalysts for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 416, 129116	14.7	8
486	Recent advances in nonlinear optical rare earth structures. <i>Journal of Rare Earths</i> , <b>2021</b> , 39, 1455-1455	3.7	2
485	Quantum-Matter Bi/TiO <sub>2</sub> Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. <i>Small Structures</i> , <b>2021</b> , 2, 2000085	8.7	40
484	Highly efficient CoO/CeO heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 585, 705-715	9.3	53
483	Highly Ordered TiO Nanotube Arrays with Engineered Electrochemical Energy Storage Performances. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
482	High-Potential Pseudocapacitive Energy Storage System: Iron-Based Polyferric Sulfate Electrolyte and Partially Sacrificial Graphite Electrode. <i>Science of Advanced Materials</i> , <b>2021</b> , 13, 490-496	2.3	
481	Microstructure and defect characteristics of lithium niobate with different Li concentrations. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 4006-4013	6.8	2
480	High areal capacitance of manganese oxide electrodes with cerium as rare earth modification. <i>Nanotechnology</i> , <b>2020</b> , 31, 354004	3.4	1

479	Ce(OH) as a novel negative electrode material for supercapacitors. <i>Nanotechnology</i> , <b>2020</b> , 31, 374003	3-4	8
478	A series of Er <sup>3+</sup> -activated SrLaGa <sub>3</sub> O <sub>7</sub> single crystal fibers for mid-infrared laser application. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 523-530	3-7	6
477	Geo-inspired crystallization engineering: multifunctional materials design and fabrication at nanoscale and beyond. <i>Nanotechnology</i> , <b>2020</b> , 31, 414002	3-4	0
476	In-situ micro-Raman spectroscopy study of gypsum crystallization driven by chemical reaction. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1210, 128043	3-4	4
475	Facile synthesis, characterization and electrochemical performance of nickel oxide nanoparticles prepared by thermal decomposition. <i>Scripta Materialia</i> , <b>2020</b> , 181, 53-57	5-6	6
474	Nanocrystalline coatings and their electrochemical energy storage applications. <i>Functional Materials Letters</i> , <b>2020</b> , 13, 2030001	1-2	4
473	Garnet-type solid-state electrolytes and interfaces in all-solid-state lithium batteries: progress and perspective. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100750	6-6	7
472	High specific capacitance of manganese-based colloidal system with rare earth modification. <i>Nanotechnology</i> , <b>2020</b> , 31, 424004	3-4	2
471	Li-ion battery studies on nickel oxide nanoparticles prepared by facile route calcination. <i>Polyhedron</i> , <b>2020</b> , 179, 114360	2-7	1
470	Electronegativity principles in metal oxides based supercapacitors. <i>Nanotechnology</i> , <b>2020</b> , 31, 074001	3-4	6
469	La:Ni-Cl oxyhydroxide gels with enhanced electroactivity as positive materials for hybrid supercapacitors. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1107-1115	4-3	7
468	Multifunctional inorganic nanomaterials for energy applications. <i>Nanoscale</i> , <b>2020</b> , 12, 14-42	7-7	43
467	Highly dispersed Co nanoparticles decorated on a N-doped defective carbon nano-framework for a hybrid Na-air battery. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1811-1821	4-3	30
466	Challenges and perspectives of NASICON-type solid electrolytes for all-solid-state lithium batteries. <i>Nanotechnology</i> , <b>2020</b> , 31, 132003	3-4	72
465	Toward materials-by-design: achieving functional materials with physical and chemical effects. <i>Nanotechnology</i> , <b>2020</b> , 31, 024002	3-4	3
464	Boosting the Zn-ion storage capability of birnessite manganese oxide nanoflorets by La <sup>3+</sup> intercalation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22079-22083	13	65
463	Sulfur-Induced Interface Engineering of Hybrid NiCo <sub>2</sub> O <sub>4</sub> @NiMo <sub>2</sub> S <sub>4</sub> Structure for Overall Water Splitting and Flexible Hybrid Energy Storage. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901308	4-6	94
462	Colloidal supercapattery. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , <b>2019</b> , 49, 175-181	1-3	4

461	Perspectives of multiscale rare earth crystal materials. <i>CrystEngComm</i> , <b>2019</b> , 21, 1838-1852	3.3	31
460	Active LaNbO <sub>7</sub> compounds for fast lithium-ion energy storage. <i>Tungsten</i> , <b>2019</b> , 1, 287-296	4.6	14
459	Effect of disordered structure and crystal defects on heat transfer behavior in Er:Yb: YCa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> crystal. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 124, 121-129	3.9	3
458	Searching for novel materials via 4f chemistry. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 1-10	3.7	18
457	How to efficiently utilize electrode materials in supercapattery?. <i>Functional Materials Letters</i> , <b>2019</b> , 12, 1830005	1.2	11
456	Novel inorganic tin phosphate gel: multifunctional material. <i>Chemical Communications</i> , <b>2018</b> , 54, 2682-2685	3.5	6
455	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanoneedle arrays as supercapacitor electrode materials with excellent cycling stabilities. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 835-843	6.8	88
454	Design and synthesis of a nonlinear optical material BaAl <sub>4</sub> S <sub>7</sub> with a wide band gap inspired from SrB <sub>4</sub> O <sub>7</sub> . <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2684-2689	7.1	35
453	Melilite-Type Oxide SrGdGa <sub>3</sub> O <sub>7</sub> : Bulk Crystal Growth and Theoretical Studies upon Both Chemical Bonding Theory of Single Crystal Growth and DFT Methods. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1598-1604	3.5	7
452	N-TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> /Up-conversion phosphor composites for the full-spectrum light-responsive deNO <sub>x</sub> photocatalysis. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 7266-7278	4.3	6
451	Microwave-Irradiation-Assisted Combustion toward Modified Graphite as Lithium Ion Battery Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 909-914	9.5	39
450	MOF-Derived Hollow Co <sub>3</sub> S <sub>4</sub> Quasi-polyhedron/MWCNT Nanocomposites as Electrodes For Advanced Lithium Ion Batteries and Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 402-410	6.1	49
449	A liquid anode for rechargeable sodium-air batteries with low voltage gap and high safety. <i>Nano Energy</i> , <b>2018</b> , 49, 574-579	17.1	40
448	A Flexible and Ultrahigh Energy Density Capacitor via Enhancing Surface/Interface of Carbon Cloth Supported Colloids. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703329	21.8	51
447	Colloidal Supercapattery: Redox Ions in Electrode and Electrolyte. <i>Chemical Record</i> , <b>2018</b> , 18, 282-292	6.6	32
446	Novel High-Energy-Density Rechargeable Hybrid Sodium-Air Cell with Acidic Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23748-23756	9.5	17
445	Pulling growth technique towards rare earth single crystals. <i>Science China Technological Sciences</i> , <b>2018</b> , 61, 1295-1300	3.5	14
444	Colloidal paradigm in supercapattery electrode systems. <i>Nanotechnology</i> , <b>2018</b> , 29, 024003	3.4	26

443	Metal organic framework derived CoFe@N-doped carbon/reduced graphene sheets for enhanced oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1962-1966	6.8	29
442	A nitrogen-doped 3D open-structured graphite nanofiber matrix for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14065-14068	13	16
441	From graphite-clay composites to graphene electrode materials: In-situ electrochemical oxidation and functionalization. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 281-285	5.1	17
440	Crystallization of transition metal oxides within 12 seconds. <i>CrystEngComm</i> , <b>2017</b> , 19, 1230-1238	3.3	23
439	Nucleation-dependant chemical bonding paradigm: the effect of rare earth ions on the nucleation of urea in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8835-8842	3.6	9
438	Crystal growth: an anisotropic mass transfer process at the interface. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12407-12413	3.6	21
437	Hydrogen Bonding Dependent Mesoscale Framework in Crystalline Ln(H <sub>2</sub> O) <sub>9</sub> (CF <sub>3</sub> SO <sub>3</sub> ) <sub>3</sub> . <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2631-2638	3.5	6
436	Crystallization: A phase transition process driving by chemical potential decrease. <i>Journal of Crystal Growth</i> , <b>2017</b> , 470, 27-32	1.6	11
435	Molecular Paradigm Dependent Nucleation in Urea Aqueous Solution. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2594-2599	3.5	4
434	Multiple Functional Biomass-Derived Activated Carbon Materials for Aqueous Supercapacitors, Lithium-Ion Capacitors and Lithium-Sulfur Batteries. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 861-866	4.9	29
433	Hydrogen Bonding Paradigm in the Formation of Crystalline KH <sub>2</sub> PO <sub>4</sub> from Aqueous Solution. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 3178-3184	3.5	7
432	Dual-phase Spinel MnCo <sub>2</sub> O <sub>4</sub> Nanocrystals with Nitrogen-doped Reduced Graphene Oxide as Potential Catalyst for Hybrid Na-Air Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 244, 222-229	6.7	45
431	The synergy effect of rare earth cations on local structure and PL emission in a Ce:REPO (RE = La, Gd, Lu, Y) system. <i>Dalton Transactions</i> , <b>2017</b> , 46, 7888-7896	4.3	12
430	SURFACE/INTERFACE REACTION OF SUPERCAPACITOR ELECTRODE MATERIALS. <i>Surface Review and Letters</i> , <b>2017</b> , 24, 1730005	1.1	10
429	Nanofabrication strategies for advanced electrode materials. <i>Nanofabrication</i> , <b>2017</b> , 3, 1-15	4	3
428	Polymorph growth of inorganic functional materials. <i>Functional Materials Letters</i> , <b>2017</b> , 10, 1741001	1.2	7
427	Fly ash cenospheres as multifunctional supports of g-C <sub>3</sub> N <sub>4</sub> /N-TiO <sub>2</sub> with enhanced visible-light photocatalytic activity and adsorption. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 3233-3240	4.6	14
426	Hybridization: A Chemical Bonding Nature of Atoms. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1452-1458	4.9	19

425	Lithium cell-assisted low-overpotential Li-O batteries by in situ discharge activation. <i>Chemical Communications</i> , <b>2017</b> , 53, 10568-10571	5.8	3
424	Growth, structural, spectral and high-power continuous-wave laser operation of Yb <sub>0.11</sub> Gd <sub>0.89</sub> COB crystal. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 637-644	3.7	4
423	Hybridized valence electrons of 4f <sup>0</sup> 4d <sup>0</sup> 6s <sup>2</sup> : the chemical bonding nature of rare earth elements. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 837-843	3.7	24
422	Environment-friendly, flame retardant thermoplastic elastomer/magnesium hydroxide composites. <i>Functional Materials Letters</i> , <b>2017</b> , 10, 1750042	1.2	8
421	Nanoclay assisted electrochemical exfoliation of pencil core to high conductive graphene thin-film electrode. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 487, 156-161	9.3	46
420	Phase Transformation of Ce <sup>3+</sup> -Doped MnO <sub>2</sub> for Pseudocapacitive Electrode Materials. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 20077-20081	3.8	51
419	High Energy Density Hybrid Supercapacitor: In-Situ Functionalization of Vanadium-Based Colloidal Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29522-29528	9.5	37
418	Colloidal supercapacitor electrode materials. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 201-206	5.1	31
417	Synthesis of glycidyl azide polymers (GAPs) via binary ionic liquid/water mixtures without catalysts. <i>Green Chemistry</i> , <b>2016</b> , 18, 1364-1367	10	12
416	Crystallization-Dependent Luminescence Properties of Ce:LuPO <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2969-76	5.1	23
415	Luminescence Mechanistic Study of BaLaGa <sub>3</sub> O <sub>7</sub> :Nd Using Density Functional Theory Calculations. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2855-63	5.1	13
414	Chemical bonding theory of single crystal growth and its application to crystal growth and design. <i>CrystEngComm</i> , <b>2016</b> , 18, 1262-1272	3.3	43
413	High performance porous MnO@C composite anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 793-800	6.7	46
412	Recent advances in rare earth scintillation crystals. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , <b>2016</b> , 46, 657-673	1.3	9
411	Morphology Dependent Supercapacitance of Nanostructured NiCo <sub>2</sub> O <sub>4</sub> on Graphitic Carbon Nitride. <i>Electrochimica Acta</i> , <b>2016</b> , 200, 239-246	6.7	45
410	Architecture engineering of supercapacitor electrode materials. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1640001	1.2	18
409	Materials chemistry toward electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7522-7537	13	110
408	Deblurring for spatial and temporal varying motion with optical computing. <i>Optical Engineering</i> , <b>2016</b> , 55, 053103	1.1	

407	In situ electrochemical activation of Ni-based colloids from an NiCl electrode and their advanced energy storage performance. <i>Nanoscale</i> , <b>2016</b> , 8, 17090-17095	7.7	24
406	Crystallization of FeOOH via iron salts: an anion-chemoaffinity controlled hydrolysis toward high performance inorganic pseudocapacitor materials. <i>CrystEngComm</i> , <b>2015</b> , 17, 1917-1922	3.3	39
405	In situ IR spectral identification of NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> structural evolution during crystallization in water-ethanol mixed solvent. <i>CrystEngComm</i> , <b>2015</b> , 17, 2728-2736	3.3	20
404	Synthesis of spinel LiMn <sub>2</sub> O <sub>4</sub> cathode material by a modified solid state reaction. <i>Functional Materials Letters</i> , <b>2015</b> , 08, 1540002	1.2	4
403	Surfactant-assisted crystallization of porous Mn <sub>2</sub> O <sub>3</sub> anode materials for Li-ion batteries. <i>CrystEngComm</i> , <b>2015</b> , 17, 5094-5100	3.3	18
402	Searching for electrode materials with high electrochemical reactivity. <i>Journal of Materiomics</i> , <b>2015</b> , 1, 170-187	6.7	23
401	Contribution of lone-pairs to birefringence affected by the Pb(II) coordination environment: a DFT investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21968-73	3.6	38
400	Advanced graphene nanomaterials for electrochemical energy storage. <i>Materials Research Innovations</i> , <b>2015</b> , 19, 7-19	1.9	15
399	Role of Hydrothermal parameters on phase purity of orthorhombic LiMnO <sub>2</sub> for use as cathode in Li ion battery. <i>Ceramics International</i> , <b>2015</b> , 41, 6729-6733	5.1	13
398	Electrochemical energy storage applications of pristine-graphene produced by non-oxidative routes. <i>Science China Technological Sciences</i> , <b>2015</b> , 58, 1841-1850	3.5	40
397	Room temperature reduction and hydrolysis of FeCl <sub>3</sub> ·6H <sub>2</sub> O on self-sacrifice microscale Cu <sub>2</sub> O octahedron template: A mild chemical synthesis of pseudocapacitor electrode materials. <i>Functional Materials Letters</i> , <b>2015</b> , 08, 1550047	1.2	1
396	Composition Design Upon Iron Element Toward Supercapacitor Electrode Materials. <i>Materials Focus</i> , <b>2015</b> , 4, 78-80		30
395	Applying Cerium to High Performance Supercapacitors. <i>Materials Focus</i> , <b>2015</b> , 4, 81-83		5
394	A Special Issue on Advanced Materials Science and Engineering. <i>Materials Focus</i> , <b>2015</b> , 4, 1-3		4
393	Nanolayered tin phosphate: a remarkably selective Cs ion sieve for acidic waste solutions. <i>Chemical Communications</i> , <b>2015</b> , 51, 15661-4	5.8	9
392	A Cs(x)WO <sub>3</sub> /ZnO nanocomposite as a smart coating for photocatalytic environmental cleanup and heat insulation. <i>Nanoscale</i> , <b>2015</b> , 7, 17048-54	7.7	55
391	Beyond graphene: materials chemistry toward high performance inorganic functional materials. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2441-2453	13	65
390	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> , <b>2015</b> , 7, 1161-6	7.7	38

389	Carbon with ultrahigh capacitance when graphene paper meets $K_3Fe(CN)_6$ . <i>Nanoscale</i> , <b>2015</b> , 7, 432-9	7.7	81
388	Beyond theoretical capacity in Cu-based integrated anode: Insight into the structural evolution of CuO. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 136-143	8.9	35
387	Morphology engineering of high performance binary oxide electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 732-50	3.6	84
386	Applying the chemical bonding theory of single crystal growth to a $Gd_3Ga_5O_{12}$ Czochralski growth system: both thermodynamic and kinetic controls of the mesoscale process during single crystal growth. <i>CrystEngComm</i> , <b>2015</b> , 17, 2929-2934	3.3	10
385	Mesoscale morphology evolution of a $GdAl_3(BO_3)_4$ single crystal in a flux system: a case study of thermodynamic control of the anisotropic mass transfer during crystal growth. <i>CrystEngComm</i> , <b>2015</b> , 17, 3208-3213	3.3	12
384	IR Spectral Study of Mesoscale Process during Urea Crystallization from Aqueous Solution. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2867-2873	3.5	27
383	Structural design of graphene for use in electrochemical energy storage devices. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6230-57	58.5	343
382	Rare earth and transitional metal colloidal supercapacitors. <i>Science China Technological Sciences</i> , <b>2015</b> , 58, 1768-1778	3.5	41
381	A colloidal pseudocapacitor: direct use of $Fe(NO_3)_3$ electrode can lead to a high performance alkaline supercapacitor system. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 444, 49-57	9.3	28
380	In-situ electrochemical route to aerogel electrode materials of graphene and hexagonal $CeO_2$ . <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 446, 77-83	9.3	62
379	Faceted $Cu_2O$ structures with enhanced Li-ion battery anode performances. <i>CrystEngComm</i> , <b>2015</b> , 17, 2110-2117	3.3	56
378	Hydrothermal route to crystallization of $FeOOH$ nanorods via $FeCl_3 \cdot 6H_2O$ : effect of $Fe^{3+}$ concentration on pseudocapacitance of iron-based materials. <i>CrystEngComm</i> , <b>2015</b> , 17, 1906-1910	3.3	45
377	Colloidal pseudocapacitor: Nanoscale aggregation of Mn colloids from $MnCl_2$ under alkaline condition. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 365-371	8.9	37
376	Ethylenediamine-assisted crystallization of $Fe_2O_3$ microspindles with controllable size and their pseudocapacitance performance. <i>CrystEngComm</i> , <b>2015</b> , 17, 1521-1525	3.3	33
375	Materials Design Towards High Performance Cu-Based Electrodes for Electrochemical Energy Storage Devices. <i>Science of Advanced Materials</i> , <b>2015</b> , 7, 2037-2052	2.3	6
374	?????????????????????. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , <b>2015</b> , 45, 36-49	1.3	11
373	Crystallization behaviors of KDP and ADP. <i>Optical Materials</i> , <b>2014</b> , 36, 1966-1969	3.3	18
372	$CoCl_2$ Designed as Excellent Pseudocapacitor Electrode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 440-444	8.3	60

371	Crystal Growth and Design of Sapphire: Experimental and Calculation Studies of Anisotropic Crystal Growth upon Pulling Directions. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2282-2287	3.5	30
370	Water-soluble inorganic salt with ultrahigh specific capacitance: Ce(NO <sub>3</sub> ) <sub>3</sub> can be designed as excellent pseudocapacitor electrode. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 416, 172-6	9.3	48
369	Microwave-hydrothermal synthesis of Fe-based materials for lithium-ion batteries and supercapacitors. <i>Ceramics International</i> , <b>2014</b> , 40, 2877-2884	5.1	20
368	Polymorphic crystallization of Cu <sub>2</sub> O compound. <i>CrystEngComm</i> , <b>2014</b> , 16, 5257-5267	3.3	38
367	Crystallization of Fe <sup>3+</sup> in an alkaline aqueous pseudocapacitor system. <i>CrystEngComm</i> , <b>2014</b> , 16, 6707	3.3	25
366	Water crystallization to create ice spacers between graphene oxide sheets for highly electroactive graphene paper. <i>CrystEngComm</i> , <b>2014</b> , 16, 7771	3.3	44
365	Crystallography and interfacial kinetic controlled ultra-uniform single crystal silver nanobelts and their optical properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 642-648	3.3	12
364	Chemical bonding theory of single crystal growth and its application to ? 3?? YAG bulk crystal. <i>CrystEngComm</i> , <b>2014</b> , 16, 2129	3.3	49
363	Ex situ identification of the Cu <sup>+</sup> long-range diffusion path of a Cu-based anode for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 11168-72	3.6	19
362	Functionality of Fe(NO <sub>3</sub> ) <sub>3</sub> salts as both positive and negative pseudocapacitor electrodes in alkaline aqueous electrolyte. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 216-224	6.7	35
361	Preparation of colloidal graphene in quantity by electrochemical exfoliation. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 436, 41-6	9.3	76
360	Physical Chemistry of Crystalline (K,NH <sub>4</sub> )H <sub>2</sub> PO <sub>4</sub> in Aqueous Solution: An in Situ Molecule Vibration Spectral Observation of the Early Formation Stage. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 16043-16050	3.8	20
359	Facile synthesis of iron-based compounds as high performance anode materials for Li-ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 36507	3.7	15
358	Ionic Supercapacitor Electrode Materials: A System-Level Design of Electrode and Electrolyte for Transforming Ions into Colloids. <i>Colloids and Interface Science Communications</i> , <b>2014</b> , 1, 39-42	5.4	20
357	An ionic aqueous pseudocapacitor system: electroactive ions in both a salt electrode and redox electrolyte. <i>RSC Advances</i> , <b>2014</b> , 4, 23338	3.7	52
356	Crystallization of tin chloride as a promising pseudocapacitor electrode. <i>CrystEngComm</i> , <b>2014</b> , 16, 4610-4618	3.5	24
355	YbCl <sub>3</sub> Electrode in alkaline aqueous electrolyte with high pseudocapacitance. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 424, 84-9	9.3	33
354	Microwave- or conventional hydrothermal synthesis of Co-based materials for electrochemical energy storage. <i>Ceramics International</i> , <b>2014</b> , 40, 8183-8188	5.1	8

353	Hydrogen bonding nature during ADP crystallization. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1059, 338-342.	3.4	16
352	Conventional- and microwave-hydrothermal synthesis of LiMn <sub>2</sub> O <sub>4</sub> : Effect of synthesis on electrochemical energy storage performances. <i>Ceramics International</i> , <b>2014</b> , 40, 3155-3163	5.1	23
351	Chemical Routes to Graphene-Based Flexible Electrodes for Electrochemical Energy Storage. <i>Green Energy and Technology</i> , <b>2014</b> , 425-455	0.6	1
350	Formation of electroactive colloids via in situ coprecipitation under electric field: erbium chloride alkaline aqueous pseudocapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 430, 265-71	9.3	34
349	Low temperature synthesis of Fe <sub>2</sub> O <sub>3</sub> and LiFeO <sub>2</sub> as cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 136, 10-18	6.7	26
348	In situ FTIR-ATR observation of structural dynamics of H <sub>2</sub> PO <sub>4</sub> <sup>3-</sup> in precrystallisation solution. <i>Materials Research Innovations</i> , <b>2014</b> , 18, 370-375	1.9	13
347	LiMn <sub>2</sub> O <sub>4</sub> -based materials as anodes for lithium-ion battery. <i>Functional Materials Letters</i> , <b>2014</b> , 07, 135007.	7.0	12
346	Anode performances of mixed LiMn <sub>2</sub> O <sub>4</sub> and carbon black toward lithium-ion battery. <i>Functional Materials Letters</i> , <b>2014</b> , 07, 1450017	1.2	14
345	Enhancing the electrochemical performance of the LiMn <sub>2</sub> O <sub>4</sub> hollow microsphere cathode with a LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> coated layer. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 824-30	4.8	48
344	High Surface Area Activated Carbon Synthesized from Bio-Based Material for Supercapacitor Application. <i>Nanoscience and Nanotechnology Letters</i> , <b>2014</b> , 6, 997-1000	0.8	12
343	A rapid combustion route to synthesize high-performance nanocrystalline cathode materials for Li-ion batteries. <i>CrystEngComm</i> , <b>2014</b> , 16, 10969-10976	3.3	13
342	Cu-based materials as high-performance electrodes toward electrochemical energy storage. <i>Functional Materials Letters</i> , <b>2014</b> , 07, 1430001	1.2	19
341	CuInS <sub>2</sub> as Photocatalyst for H <sub>2</sub> Evolution: Polyvinylpyrrolidone-Assisted Solvothermal Route to Tuned Microstructures Toward High Performance Photocatalysts. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 2646-2651	2.3	3
340	Study on the crystallization process of function inorganic crystal materials. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , <b>2014</b> , 44, 1123-1136	1.3	21
339	Reaction Route to the Crystallization of Copper Oxides. <i>Applied Science and Convergence Technology</i> , <b>2014</b> , 23, 14-26	0.8	8
338	Supercapacitor and nanoscale research towards electrochemical energy storage. <i>International Journal of Smart and Nano Materials</i> , <b>2013</b> , 4, 2-26	3.6	43
337	Size-dependent oxygen storage ability of nano-sized ceria. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 14414-9	3.6	76
336	Wet cation exchange route to semiconductor alloys: the case study of Mg <sub>x</sub> Zn <sub>1-x</sub> O. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 22	1.5	3

335	Effect of electrostatic and size on dopant occupancy in lithium niobate single crystal. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10206-10	5.1	11
334	LiMn2O4 rods as cathode materials with high rate capability and good cycling performance in aqueous electrolyte. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, 592-597	5.7	27
333	Reversible phase transfer of luminescent ZnO quantum dots between polar and nonpolar media. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6329-33	4.8	21
332	Room-Temperature Chemical Transformation Route to CuO Nanowires toward High-Performance Electrode Materials. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 22576-22583	3.8	85
331	Direct in situ ATR-IR spectroscopy of structural dynamics of NH4H2PO4 in aqueous solution. <i>CrystEngComm</i> , <b>2013</b> , 15, 7783	3.3	34
330	A chemical reaction controlled mechanochemical route to construction of CuO nanoribbons for high performance lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 19708-14	3.6	44
329	In situ ATR-IR observation of nucleation and crystal growth of KH2PO4 in aqueous solution. <i>CrystEngComm</i> , <b>2013</b> , 15, 10445	3.3	38
328	Chemical reaction controlled synthesis of Cu2O hollow octahedra and core-shell structures. <i>CrystEngComm</i> , <b>2013</b> , 15, 10028	3.3	43
327	In Situ IR Spectral Observation of NH4H2PO4 Crystallization: Structural Identification of Nucleation and Crystal Growth. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 19146-19153	3.8	31
326	Water-soluble inorganic salts with ultrahigh specific capacitance: crystallization transformation investigation of CuCl2 electrodes. <i>CrystEngComm</i> , <b>2013</b> , 15, 10367	3.3	65
325	From chemistry to mechanics: bulk modulus evolution of Li-Si and Li-Sn alloys via the metallic electronegativity scale. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 17658-63	3.6	29
324	Vapor-phase crystallization route to oxidized Cu foils in air as anode materials for lithium-ion batteries. <i>CrystEngComm</i> , <b>2013</b> , 15, 144-151	3.3	80
323	Synthesis and photocatalytic activity of Sr4Al14O25:(Eu, Dy)/TiO2-xNy composite photocatalyst. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 13	1.5	
322	Solution-phase tailored growth of NB3O7(OH) thin films. <i>Thin Solid Films</i> , <b>2013</b> , 544, 545-550	2.2	9
321	Chemoaffinity-mediated crystallization of Cu2O: a reaction effect on crystal growth and anode property. <i>CrystEngComm</i> , <b>2013</b> , 15, 1739	3.3	70
320	Microwave-Hydrothermal Crystallization of Polymorphic MnO2 for Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10770-10779	3.8	148
319	Facile synthesis of transition-metal oxide nanocrystals embedded in hollow carbon microspheres for high-rate lithium-ion-battery anodes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9811-6	4.8	46
318	An electrochemical route to quantitative oxidation of graphene frameworks with controllable C/O ratios and added pseudocapacitances. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 10716-22	4.8	88

317	Critical silicon-anode size for averting lithiation-induced mechanical failure of lithium-ion batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 7398	3.7	84
316	Tailoring Anisotropic Morphology at the Nanoregime: Surface Bonding Motif Determines the Morphology Transformation of ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5505-5511	3.8	54
315	Tunnel-dependent supercapacitance of MnO <sub>2</sub> : effects of crystal structure. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 1128-1135	3.8	57
314	Evolution of interface configuration in sapphire single crystal growth via Czochralski method. <i>Materials Research Innovations</i> , <b>2013</b> , 17, 552-556	1.9	7
313	Single crystal growth mechanism of sapphire. <i>Materials Technology</i> , <b>2013</b> , 28, 286-289	2.1	14
312	MnO <sub>2</sub> as a Supercapacitor Electrode via Grinding Redox Reactions. <i>Materials Focus</i> , <b>2013</b> , 2, 53-57		3
311	Crystallization of MnO <sub>2</sub> for Lithium-Ion Battery and Supercapacitor. <i>Materials Focus</i> , <b>2013</b> , 2, 195-200		6
310	Low Temperature Preparation of LiMn <sub>2</sub> O <sub>4</sub> and Its Electrochemical Behaviors. <i>Materials Focus</i> , <b>2013</b> , 2, 214-220		1
309	Synthesis of Sulfur-Doped Carbon Nanotubes by Liquid Precursor. <i>Materials Focus</i> , <b>2013</b> , 2, 44-47		8
308	Pseudocapacitance Performances of Naked Porous Nickel Foams. <i>Materials Focus</i> , <b>2013</b> , 2, 239-243		1
307	Color-Tunable ZnO Quantum Dots Emitter: Size Effect Study and a Kinetic Control of Crystallization. <i>Materials Focus</i> , <b>2013</b> , 2, 11-19		5
306	Chemical Bonding and Single Crystal Growth of ADP Crystals. <i>Materials Focus</i> , <b>2013</b> , 2, 309-315		9
305	Recent Advances in MnO <sub>2</sub> : Chemical Synthesis and Supercapacitance. <i>Materials Focus</i> , <b>2013</b> , 2, 161-173		8
304	Structural Evolution of KADP Mixed System During Crystallization. <i>Materials Focus</i> , <b>2013</b> , 2, 179-183		3
303	Calculation of impurity energy levels of transition metal ions in inorganic crystals based on electronegativity. <i>Materials Research Innovations</i> , <b>2013</b> , 17, 218-223	1.9	17
302	SITE SELECTIVITY IN DOPED POLYANION CATHODE MATERIALS FOR LI-ION BATTERIES. <i>Functional Materials Letters</i> , <b>2013</b> , 06, 1350043	1.2	18
301	Hopper-like framework growth evolution in a cubic system: a case study of Cu <sub>2</sub> O. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 1603-1609	3.8	21
300	Crystallisation of cuprous oxide. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 4	1.5	13

299	Calculation of structural characteristics of Cd <sub>1-x</sub> CaxO (x = 0.1). <i>Materials Research Innovations</i> , <b>2013</b> , 17, 27-31	1.9	8
298	MnO <sub>2</sub> -Graphene Nanocomposites by Ripening of Amorphous MnO <sub>2</sub> in Mild Conditions. <i>Graphene</i> , <b>2013</b> , 1, 58-62		4
297	MoO <sub>2</sub> /Reduced Graphene Oxide Composite Electrode with Improved Cycling Performance and High Capacitance for Supercapacitors. <i>Journal of Nanoengineering and Nanomanufacturing</i> , <b>2013</b> , 3, 73-78		5
296	Dopant Occupancy in Lithium Niobate Single Crystal. <i>Materials Focus</i> , <b>2013</b> , 2, 1-10		5
295	Controllable Crystallization of Novel Rod-Based Cu <sub>2</sub> O Superstructures and Their Applications in Lithium Ion Batteries. <i>Materials Focus</i> , <b>2013</b> , 2, 35-38		4
294	Crystallization of MnO <sub>2</sub> by Microwave-Hydrothermal Synthesis and Its Applications for Supercapacitors and Lithium-Ion Batteries. <i>Materials Focus</i> , <b>2013</b> , 2, 86-91		5
293	Functional Carbonaceous Compound Assisted Assembling of SnO <sub>2</sub> @C Nanocomposite as a Lithium Storage Anode Material. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 37-45	2.3	2
292	Fabrication of MnO <sub>2</sub> -Graphene Nanocomposite by Ripening of Amorphous MnO <sub>2</sub> in Graphene Oxide Matrix. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 904-908	2.3	12
291	Nanoengineering of Cluster Crystallization of ZnO. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 909-913	2.3	8
290	Magnetron Sputtering Route to Efficiency Enhanced Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films as the Counter Electrode of Dye-Sensitized Solar Cells. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 1764-1769	2.3	6
289	Molten salt route of well dispersive barium titanate nanoparticles. <i>Powder Technology</i> , <b>2012</b> , 217, 629-633	3.3	51
288	Selective crystallization with preferred lithium-ion storage capability of inorganic materials. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 149	5	30
287	Folded structured graphene paper for high performance electrode materials. <i>Advanced Materials</i> , <b>2012</b> , 24, 1089-94	24	576
286	Nanoparticles via Crystallization: A Chemical Reaction Control Study of Copper Oxides. <i>Nanoscience and Nanotechnology Letters</i> , <b>2012</b> , 4, 1-12	0.8	28
285	ANISOTROPIC HARDNESS ESTIMATIONS OF SOME INORGANIC FUNCTIONAL MATERIALS. <i>Functional Materials Letters</i> , <b>2012</b> , 05, 1250003	1.2	9
284	pH-assisted crystallization of Cu <sub>2</sub> O: chemical reactions control the evolution from nanowires to polyhedra. <i>CrystEngComm</i> , <b>2012</b> , 14, 8068	3.3	83
283	Self-assembled porous hierarchical-like CoO@C microsheets transformed from inorganic/organic precursors and their lithium-ion battery application. <i>CrystEngComm</i> , <b>2012</b> , 14, 2669	3.3	63
282	Group electronegativity for prediction of materials hardness. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 6911-6	2.8	37

281	Phase selective route to Ni(OH) <sub>2</sub> with enhanced supercapacitance: Performance dependent hydrolysis of Ni(Ac) <sub>2</sub> at hydrothermal conditions. <i>Electrochimica Acta</i> , <b>2012</b> , 78, 1-10	6.7	77
280	Effect of uniform magnetic field on crystallization of intermetallic compound layers between Cu and liquid SnZn alloys. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2012</b> , 22, 2312-2319	3.3	5
279	Crystallization and functionality of inorganic materials. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2838-2842	5.1	50
278	Electronegativity calculation of bulk modulus and band gap of ternary ZnO-based alloys. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2902-2905	5.1	12
277	Crystallization of nanomaterials. <i>Current Opinion in Chemical Engineering</i> , <b>2012</b> , 1, 108-116	5.4	19
276	Crystallization design of MnO <sub>2</sub> towards better supercapacitance. <i>CrystEngComm</i> , <b>2012</b> , 14, 5892	3.3	165
275	One-pot synthesis of mesoporous interconnected carbon-encapsulated Fe <sub>3</sub> O <sub>4</sub> nanospheres as superior anodes for Li-ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 2262	3.7	99
274	Solution-phase electronegativity scale: insight into the chemical behaviors of metal ions in solution. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 4192-8	2.8	53
273	First identification of primary nanoparticles in the aggregation of HMF. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 38	5	20
272	Solution reaction design: electroaccepting and electrodonating powers of ions in solution. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 6	5	12
271	Anisotropic hardness prediction of crystalline hard materials from the electronegativity. <i>Acta Materialia</i> , <b>2012</b> , 60, 35-42	8.4	41
270	Hydrophobic precipitation of carbonaceous spheres from fructose by a hydrothermal process. <i>Carbon</i> , <b>2012</b> , 50, 2155-2161	10.4	76
269	BAND GAP ENGINEERING OF CRYSTAL MATERIALS: BAND GAP ESTIMATION OF SEMICONDUCTORS VIA ELECTRONEGATIVITY. <i>Functional Materials Letters</i> , <b>2012</b> , 05, 1260002	1.2	17
268	MILD SYNTHESIS ROUTE TO NANOSTRUCTURED MnO <sub>2</sub> AS ELECTRODE MATERIALS FOR ELECTROCHEMICAL ENERGY STORAGE. <i>Functional Materials Letters</i> , <b>2012</b> , 05, 1250030	1.2	17
267	CRYSTALLIZATION OF OXIDES AS FUNCTIONAL MATERIALS. <i>Functional Materials Letters</i> , <b>2012</b> , 05, 1230002	1.2	47
266	Facile synthesis of lithium niobate from novel precursor H <sub>2</sub> (H <sub>2</sub> O)Nb <sub>2</sub> O <sub>6</sub> . <i>Materials Technology</i> , <b>2012</b> , 27, 92-94	2.1	1
265	MnO <sub>2</sub> for the Electrode Materials of Supercapacitors. <i>Energy and Environment Focus</i> , <b>2012</b> , 1, 4-18		4
264	Advanced Nanostructured Cathode and Anode Materials for High-Performance Li-Ion Batteries. <i>Energy and Environment Focus</i> , <b>2012</b> , 1, 19-38		3

263	Synthesis of Cu <sub>2</sub> O Nanocrystals and Cu <sub>2</sub> O/Graphene Composite Paper for Lithium-Ion Battery Anode Materials. <i>Energy and Environment Focus</i> , <b>2012</b> , 1, 50-56	5
262	Flexible Composite Electrodes Upon Aerogel Derived Graphene Paper Towards Lithium-Ion Batteries. <i>Energy and Environment Focus</i> , <b>2012</b> , 1, 93-98	3
261	Ligand-Assisted Rational Crystallization of CuO Nanocrystals and Their Electrochemical Performances. <i>Energy and Environment Focus</i> , <b>2012</b> , 1, 109-118	3
260	Electron Microscopy Observation of the Chemical Conversion from Cu <sub>2</sub> O to CuO as Anode Electrodes of Lithium-Ion Batteries. <i>Journal of Advanced Microscopy Research</i> , <b>2012</b> , 7, 264-269	3
259	Bimodal Size Distribution of Nanocrystals at Their Early Stage of Growth: The Case Study of ZnO. <i>Materials Focus</i> , <b>2012</b> , 1, 45-49	3
258	Ligand Molecules Regulate the Size and Morphology of Cu <sub>2</sub> O Nanocrystals. <i>Materials Focus</i> , <b>2012</b> , 1, 65-70	5
257	Relationship Between Band Gap and Bulk Modulus of Semiconductor Materials. <i>Materials Focus</i> , <b>2012</b> , 1, 88-92	3
256	Fabrication of ZnO Cones with Hierarchical and Repetitive Superstructures. <i>Materials Focus</i> , <b>2012</b> , 1, 112-115	3
255	A Simple Method for Hardness Prediction of Transition Metal Compounds. <i>Materials Focus</i> , <b>2012</b> , 1, 142-148	15
254	CoO/Graphene Composite for High Performance Li-Ion Battery Anode. <i>Materials Focus</i> , <b>2012</b> , 1, 160-163	12
253	EDTA-Assisted Hollowing Route to TiO <sub>2</sub> Hollow Nanostructures. <i>Materials Focus</i> , <b>2012</b> , 1, 164-168	2
252	Chloride Assistant Crystallization of Cu <sub>2</sub> O Polyhedron Film by Oxidation of Copper Foil in Liquid Phase. <i>Materials Focus</i> , <b>2012</b> , 1, 203-207	6
251	One-Step Solution Synthesis of C/MoO <sub>2</sub> Core/Shell Spheres and Their Supercapacitor Applications. <i>Materials Focus</i> , <b>2012</b> , 1, 229-233	4
250	A Simple Self-Template Strategy to Synthesize $\beta$ -MnO <sub>2</sub> and Its Application in Supercapacitors. <i>Materials Focus</i> , <b>2012</b> , 1, 245-251	5
249	Anisotropy Analysis of the Mechanical Property of K <sub>1-x</sub> A <sub>x</sub> DP Crystals by the Oriented Distribution of Chemical Bond. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 901-905	2-3 6
248	Two-Phase Route to High Quality ZnO Quantum Dots with High Stability of Dispersity, Structure and Optical Properties. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 1148-1153	2-3 6
247	Localized crystallization: a chemical transformation of Nb <sub>2</sub> O <sub>5</sub> rod-like arrays into ordered niobate arrays. <i>CrystEngComm</i> , <b>2011</b> , 13, 1966-1975	3-3 30
246	A novel alumina-activated carbon composite supported NiMo catalyst for hydrodesulfurization of dibenzothiophene. <i>Catalysis Communications</i> , <b>2011</b> , 12, 521-524	3-2 33

245	Progress of Science and Technology of ZnO as Advanced Material. <i>Science of Advanced Materials</i> , <b>2011</b> , 3, 127-149	2.3	95
244	Bubble-Assisted Nanofabrication of Macroporous ZnO Foams. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 394-399	0.8	10
243	ZnO 3D-Superstructures via Two-Step Assembly at Gas/Liquid Interface. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 429-433	0.8	3
242	Preparation of nanoporous tin oxide by electrochemical anodization in alkaline electrolytes. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 8797-8801	6.7	48
241	Single-crystalline nanoporous Nb <sub>2</sub> O <sub>5</sub> nanotubes. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 138	5	75
240	Electronegativity-related bulk moduli of crystal materials. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 1227-1236	1.3	26
239	Electroless deposition of Cu dendrites decorated with ZnO rods. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 697-700	1.3	1
238	Effects of Na <sub>2</sub> SO <sub>4</sub> Concentrations on Electrodeposition of ZnO Film. <i>Advanced Materials Research</i> , <b>2011</b> , 236-238, 1996-1999	0.5	1
237	Crystallization of NaNbO <sub>3</sub> microcubes by a solution-phase ion exchange route. <i>CrystEngComm</i> , <b>2011</b> , 13, 3773	3.3	23
236	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> , <b>2011</b> , 21, 223-228		142
235	Template-free solvothermal synthesis of yolk-shell V <sub>2</sub> O <sub>5</sub> microspheres as cathode materials for Li-ion batteries. <i>Chemical Communications</i> , <b>2011</b> , 47, 10380-2	5.8	136
234	Preparation of bovine hydroxyapatite by transferred arc plasma. <i>Current Applied Physics</i> , <b>2011</b> , 11, 702-705		27
233	Galvanic deposition of ZnO nanorods and thermal annealing effects on their optical properties. <i>Applied Surface Science</i> , <b>2011</b> , 257, 5519-5523	6.7	6
232	Effects of supporting electrolyte on galvanic deposition of Cu <sub>2</sub> O crystals. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 6277-6283	6.7	13
231	Galvanic deposition of ZnO using mixed electrolyte and their photoluminescence properties. <i>Thin Solid Films</i> , <b>2011</b> , 519, 4788-4792	2.2	3
230	Shape-Preserving Reactive Conversion of Hollow K <sub>2</sub> Nb <sub>2</sub> O <sub>6</sub> Precursor into KTiNbO <sub>5</sub> Architectures. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 434-439	0.8	2
229	MILD SOLUTION ROUTE TO MIXED-PHASE MnO <sub>2</sub> WITH ENHANCED ELECTROCHEMICAL CAPACITANCE. <i>Functional Materials Letters</i> , <b>2011</b> , 04, 57-60	1.2	44
228	BAND GAP PREDICTION OF ALLOYED SEMICONDUCTORS. <i>Functional Materials Letters</i> , <b>2011</b> , 04, 217-219	1.2	16

227	In situ Precursor-Template Route to Semi-Ordered NaNbO <sub>3</sub> Nanobelt Arrays. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 14	5	19
226	A Special Section on Chemistry Can Lead to Well Designed Nanostructures. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 335-336	0.8	3
225	Mg Doping Effect on Nanoscale Crystallization and Band Gap of Sol-Gel Derived Mg <sub>x</sub> Zn <sub>1-x</sub> O (x = 0-1) Alloys. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 417-422	0.8	6
224	Nanostructured Niobates via Phase Transformation. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 378-382	0.8	2
223	Nanoscale Surface Engineering of Cuprous Oxide Crystals: The Function of Chloride. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 383-388	0.8	16
222	CuS Hierarchical Architectures by a Combination of Bottom-Up and Top-Down Method. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 440-445	0.8	4
221	Diethanolamine Reduction Route to Shaped Cuprous Oxide. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 423-428	0.8	11
220	Self-Construction of Core-Shell TiO <sub>2</sub> : A Colloidal-Molecular Mediated Recrystallization Process. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 389-393	0.8	7
219	Hierarchical Integration of ZnO Nanocrystals into Multishelled Superstructures. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 371-377	0.8	15
218	Hydrothermal Crystallization of ZnOHF: An Integration of Nanoparticles into Hollow Architectures. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 400-406	0.8	9
217	Nano Structures via Chemistry. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 337-364	0.8	23
216	COMPOSITION DEPENDENCE OF BULK MODULUS AND BOND LENGTH OF Mg <sub>x</sub> Zn <sub>1-x</sub> O (x = 0.0-1.0) ALLOY SEMICONDUCTORS. <i>Functional Materials Letters</i> , <b>2010</b> , 03, 241-244	1.2	38
215	Hardness of group IVA and IVB nitrides. <i>Physica Scripta</i> , <b>2010</b> , T139, 014073	2.6	21
214	GROWTH OF CdS BRANCHED NANOROD ARRAYS ON TRANSPARENT CONDUCTIVE SUBSTRATE. <i>Surface Review and Letters</i> , <b>2010</b> , 17, 135-139	1.1	3
213	FABRICATION OF BRANCHED NANOTUBES OF SODIUM NIOBATE. <i>Surface Review and Letters</i> , <b>2010</b> , 17, 363-367	1.1	3
212	SELECTIVE SYNTHESIS OF ZnO ARRAYS. <i>Surface Review and Letters</i> , <b>2010</b> , 17, 261-264	1.1	8
211	Empirical calculations of elastic moduli of crystal materials. <i>Physica Scripta</i> , <b>2010</b> , T139, 014072	2.6	10
210	Fabrication of Nb <sub>2</sub> O <sub>5</sub> nanotrees with controlled branching degrees. <i>Physica Scripta</i> , <b>2010</b> , T139, 014074	2.6	8

209	Stearic acid gel derived MgTiO <sub>3</sub> nanoparticles: A low temperature intermediate phase of Mg <sub>2</sub> TiO <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 492, 564-569	5.7	20
208	Phase evolution from rod-like ZnO to plate-like zinc hydroxysulfate during electrochemical deposition. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 493, 471-475	5.7	25
207	Anisotropic Co <sub>3</sub> O <sub>4</sub> porous nanocapsules toward high-capacity Li-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1506		187
206	Surface fabrication of nanostructured thin films: a top-down chemical strategy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 4725-8	1.3	2
205	Morphology-controlled synthesis of CdSe semiconductor through a low-temperature hydrothermal method. <i>Physica Scripta</i> , <b>2010</b> , T139, 014075	2.6	3
204	Effects of introduced electrolytes on galvanic deposition of ZnO films. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 6796-6801	6.7	16
203	Crystallization behaviors of hexagonal nanoplatelet MgAl <sub>2</sub> (OH) <sub>6</sub> layered double hydroxide. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 3367-3372	1.6	13
202	Cation-Induced Coiling of Vanadium Pentoxide Nanobelts. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1619-26	5	59
201	Template Route to Chemically Engineered Cavities at Nanoscale: A Case Study of Zn(OH) <sub>2</sub> Template. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1779-1787	5	22
200	Hollow Nanostructured Anode Materials for Li-Ion Batteries. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1525-34		166
199	Microwave-assisted hydrothermal synthesis of monoclinic nitrogen-doped titania photocatalyst and its DeNO <sub>x</sub> ability under visible LED light irradiation. <i>Research on Chemical Intermediates</i> , <b>2010</b> , 36, 69-75	2.8	14
198	Polymorphology of sodium niobate based on two different bidentate organics. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 314-317	5.1	11
197	Large-scale fabrication of H <sub>2</sub> (H <sub>2</sub> O)Nb <sub>2</sub> O <sub>6</sub> and Nb <sub>2</sub> O <sub>5</sub> hollow microspheres. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 333-338	5.1	13
196	Assembly of nanoscale building blocks at solution/solid interfaces. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 329-332	5.1	7
195	Controlled etching of hexagonal ZnO architectures in an alcohol thermal process. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 295-299	5.1	24
194	Morphology-tuned growth of ZnO microstructures. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 300-304	5.1	20
193	Solvothermal synthesis of copper sulfide semiconductor micro/nanostructures. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 309-313	5.1	25
192	Electronegativity estimation of electronic polarizabilities of semiconductors. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 288-290	5.1	17

191	Mg <sub>x</sub> Zn <sub>1-x</sub> O (x=0.1) films fabricated by sol-gel spin coating. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 284-287	5.1	19
190	Synthesis of Cu <sub>2</sub> O crystals by galvanic deposition technique. <i>Materials Letters</i> , <b>2010</b> , 64, 2475-2478	3.3	17
189	Multiple NaNbO <sub>3</sub> /Nb <sub>2</sub> O <sub>5</sub> heterostructure nanotubes: a new class of ferroelectric/semiconductor nanomaterials. <i>Advanced Materials</i> , <b>2010</b> , 22, 1741-5	24	93
188	Hydrogen bonds in inorganic crystals: A microscopic study on the valence electron distribution of hydrogen in OH <sub>2</sub> O systems. <i>Journal of Molecular Structure</i> , <b>2010</b> , 976, 69-72	3.4	25
187	Sn-based nanomaterials converted from SnS nanobelts: Facile synthesis, characterizations, optical properties and energy storage performances. <i>Electrochimica Acta</i> , <b>2010</b> , 56, 243-250	6.7	82
186	EMULSION-ASSISTED SYNTHESIS OF NICKEL SULFIDE HIERARCHICAL ARCHITECTURES. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3843-3849	1.6	3
185	CHEMICAL DESIGN OF COMPLEX NANOSTRUCTURED METAL OXIDES IN SOLUTION. <i>International Journal of Nanoscience</i> , <b>2009</b> , 08, 571-588	0.6	3
184	HYDROTHERMAL FABRICATION OF CORE-SHELL STRUCTURED Cu <sub>2</sub> O MICROSPHERES VIA AN INTERMEDIATE-TEMPLATE ROUTE. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3851-3858	1.6	13
183	HIERARCHICAL Zn <sub>5</sub> (OH) <sub>6</sub> (CO <sub>3</sub> ) <sub>2</sub> STRUCTURE ASSEMBLED IN AN AQUEOUS SOLUTION. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3911-3918	1.6	4
182	GROWTH OF ONE-DIMENSIONAL MnO <sub>2</sub> NANOSTRUCTURE. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3835-3841	1.6	8
181	A GENERAL TEMPLATE-FREE AND SURFACTANT-FREE SOLUTION-BASED ROUTE TOWARDS DENDRITIC TRANSITION-METAL SULFIDE NANOSTRUCTURES. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3777-3783	1.6	2
180	CRYSTALLIZATION BEHAVIOR OF MAGNESIUM SALTS: A SUMMARY OF SOME EXPERIMENTAL OBSERVATIONS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3761-3768	1.6	18
179	LOCAL LATTICE STRUCTURE AND DOPANT OCCUPANCY OF DOPED LITHIUM NIOBATE CRYSTALS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3687-3694	1.6	7
178	HYDROGEN BONDING CHARACTERISTICS OF CRYSTALLINE WATER IN INORGANIC CRYSTALS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3959-3966	1.6	2
177	CHEMICAL BONDING BEHAVIORS OF NH <sub>2</sub> O HYDROGEN BONDS OF $\{ \text{NH} \}_4^+ \cdot \text{O}$ SYSTEMS IN INORGANIC CRYSTALS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3943-3950	1.6	26
176	STRUCTURAL IMPLICATIONS OF OH <sub>2</sub> O HYDROGEN BONDS IN INORGANIC CRYSTALS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3951-3958	1.6	14
175	A TEMPLATE-FREE SOLUTION METHOD BASED ON SOLID-LIQUID INTERFACE REACTION TOWARDS DENDRITIC PbSe NANOSTRUCTURES. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3817-3823	1.6	4
174	One-Step Solution-Based Strategy to 3D Superstructures of Nb <sub>2</sub> O <sub>5</sub> . <i>Nanoscience and Nanotechnology Letters</i> , <b>2009</b> , 1, 66-71	0.8	15

173	Hyperpolarizabilities of some model hydrogen-bonded complexes: PM3 and ab initio studies. <i>Journal of Molecular Structure</i> , <b>2009</b> , 928, 121-124	3.4	33
172	Hardness of materials: studies at levels from atoms to crystals. <i>Science Bulletin</i> , <b>2009</b> , 54, 131-136		42
171	New development of concept of electronegativity. <i>Science Bulletin</i> , <b>2009</b> , 54, 328-334	10.6	15
170	Hydrothermal synthesis of 3D porous architectures. <i>Journal of Rare Earths</i> , <b>2009</b> , 27, 341-344	3.7	3
169	Solution-based route to semiconductor film: Well-aligned ZnSe nanobelt arrays. <i>Thin Solid Films</i> , <b>2009</b> , 517, 4814-4817	2.2	18
168	Solvothermal synthesis of CuS semiconductor hollow spheres based on a bubble template route. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 500-503	1.6	90
167	Synthesis and characterization of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> nanoparticles. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 605-607	1.6	15
166	Synthesis of BaTi <sub>2</sub> O <sub>5</sub> powders by stearic acid gel method. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 608-610	1.6	7
165	Low-temperature synthesis of ZnTiO <sub>3</sub> nanopowders. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 611-614	1.6	34
164	Novel lanthanide-transition-metal coordination polymer materials: Crystal engineering challenges and a ligand-directed assembly strategy. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 601-604	1.6	6
163	Polymorphology formation of Cu <sub>2</sub> O: A microscopic understanding of single crystal growth from both thermodynamic and kinetic models. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 711-715	1.6	120
162	Photocatalytic activity of Zr:SrTiO <sub>3</sub> under UV illumination. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 735-737	1.6	28
161	Preparation and photocatalytic properties of strontium titanate powders via sol-gel process. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 746-748	1.6	32
160	Production of specific Mg(OH) <sub>2</sub> granules by modifying crystallization conditions. <i>Powder Technology</i> , <b>2009</b> , 191, 98-106	5.2	48
159	Influence of heat treatment on the nanocrystalline structure of ZnO film deposited on p-Si. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 481, 885-889	5.7	66
158	CONTROLLED FABRICATION OF Nb <sub>2</sub> O <sub>5</sub> HOLLOW NANOSPHERES AND NANOTUBES. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3769-3775	1.6	10
157	ROOM TEMPERATURE CONTROLLABLE SYNTHESIS OF PEROXY NIOBATES CRYSTALLITES. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3825-3834	1.6	2
156	Double-shelled nanocapsules of V <sub>2</sub> O <sub>5</sub> -based composites as high-performance anode and cathode materials for Li ion batteries. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12086-7	16.4	506

155	CRYSTALLIZATION BEHAVIORS OF FERROELECTRIC AND PIEZOELECTRIC MATERIALS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3809-3815	1.6	28
154	Recent developments in the chemical synthesis of inorganic porous capsules. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6073		303
153	DIRECTING THE BRANCHING GROWTH OF CUPROUS OXIDE BY OH- IONS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3753-3760	1.6	11
152	Electronegativities of elements in covalent crystals. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 7894-7	2.8	38
151	A Modified Electroless Deposition Route to Dendritic Cu Metal Nanostructures. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1849-1854	3.5	93
150	Computational study of crystal growth habit and cleavage. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 353-356	5.7	20
149	Domain switching and surface fabrication of lithium niobate single crystals. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 219-223	5.7	9
148	Soft-chemistry synthesis of LiNbO <sub>3</sub> crystallites. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 28-31	5.7	44
147	A solution-phase approach to the chemical synthesis of ZnO nanostructures via a low-temperature route. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 453, 87-92	5.7	29
146	Synthesis of tetragonal flake-like magnesium titanate nanocrystallites. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 460, 160-163	5.7	25
145	Electronegativity identification of novel superhard materials. <i>Physical Review Letters</i> , <b>2008</b> , 100, 235504	7.4	250
144	Amine-Assisted Route To Fabricate LiNbO <sub>3</sub> Particles with a Tunable Shape. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6346-6351	3.8	44
143	SYNTHESIS OF DESIGNED TEMPLATES FOR NOVEL SEMICONDUCTOR MATERIALS WITH HOLLOW STRUCTURES. <i>Functional Materials Letters</i> , <b>2008</b> , 01, 37-42	1.2	65
142	Phase Evolution of BaTiO <sub>3</sub> Nanoparticles: An Identification of BaTi <sub>2</sub> O <sub>5</sub> Intermediate Phase in Calcined Stearic Acid Gel. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2382-2388	3.8	14
141	Chemical tuning polymorphology of functional materials by hydrothermal and solvothermal reactions. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 2263-2269	4.3	22
140	Tube Formation in Nanoscale Materials. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 473-80	5	154
139	Thermal Oxidation Strategy towards Porous Metal Oxide Hollow Architectures. <i>Advanced Materials</i> , <b>2008</b> , 20, 2622-2627	24	281
138	Solution growth of nano- to microscopic ZnO on Zn. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 1836-1840	1.6	36

137	Fast growth of KDP. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2157-2161	1.6	33
136	Crystal growth of KDP, ADP, and KADP. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2005-2009	1.6	111
135	Surface fabrication of oxides via solution chemistry. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 1708-1712	1.6	14
134	Chemical bond simulation of KADP single-crystal growth. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 1385-1390	0.6	81
133	Chemical strategy for tuning the surface microstructures of particles. <i>Powder Technology</i> , <b>2008</b> , 183, 2-9	5.2	15
132	Processing of bovine hydroxyapatite (HA) powders and synthesis of calcium phosphate silicate glass ceramics using DC thermal plasma torch. <i>Vacuum</i> , <b>2008</b> , 83, 319-325	3.7	12
131	An optical spectroscopy study of defects in lithium tantalate single crystals. <i>Optics Communications</i> , <b>2008</b> , 281, 2531-2534	2	18
130	Slow relaxation of the magnetization in high-nuclearity Ln-complexes. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3873-3876	2.7	41
129	Crystal engineering of lanthanide-transition-metal coordination polymers. <i>Journal of Molecular Structure</i> , <b>2008</b> , 887, 56-66	3.4	14
128	MORPHOLOGY EVOLUTION AT NANO- TO MICRO-SCALE. <i>Functional Materials Letters</i> , <b>2008</b> , 01, 167-172	1.2	93
127	Formation of Nb <sub>2</sub> O <sub>5</sub> Nanotube Arrays Through Phase Transformation**. <i>Advanced Materials</i> , <b>2008</b> , 20, 1055-1058	24	193
126	Bond energy prediction of Curie temperature of lithium niobate crystals. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 2587-90	3.4	19
125	Surface modification of high-nuclearity lanthanide clusters: two tetramers constructed by cage-shaped [Dy <sub>2</sub> 6] clusters and isonicotinate linkers. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3212-6	5.1	116
124	3D coordination framework [Ln <sub>4</sub> (μ <sub>3</sub> -OH) <sub>2</sub> Cu <sub>6</sub> I <sub>5</sub> (IN) <sub>8</sub> (OAc) <sub>3</sub> ] (IN = isonicotinate): employing 2D layers of lanthanide wheel clusters and 1D chains of copper halide clusters. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 5349-53	5.1	89
123	Bond-Energy Study of Photorefractive Properties of Doped Lithium Niobate Crystals. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13238-13243	3.8	29
122	Electroless deposition of aligned ZnO taper-tubes in a strong acidic medium. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1247-1251	5.1	71
121	Five branching growth patterns in the cubic crystal system: A direct observation of cuprous oxide microcrystals. <i>Acta Materialia</i> , <b>2007</b> , 55, 2397-2406	8.4	177
120	SO <sub>4</sub> <sup>2-</sup> ions direct the one-dimensional growth of 5Mg(OH) <sub>2</sub> ·MgSO <sub>4</sub> ·2H <sub>2</sub> O. <i>Acta Materialia</i> , <b>2007</b> , 55, 5747-5757	8.4	140

119	Hydrothermal synthesis of lindgrenite with a hollow and prickly sphere-like architecture. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 119-126	3-3	37
118	Crystal chemistry of borates: the classification and algebraic description by topological type of fundamental building blocks. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2007</b> , 63, 353-62		107
117	A new set of electronegativity scale for trivalent lanthanides. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 1982-1987	1-3	26
116	Structural stability and formability of ABO <sub>3</sub> -type perovskite compounds. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2007</b> , 63, 812-8		87
115	Ferroelectric nanodomain engineering at the $\bar{z}$ face of lithium niobate single crystals. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 387, 147-150	2-8	6
114	Large aspect ratio titanate nanowire prepared by monodispersed titania submicron sphere via simple wet-chemical reactions. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 1028-1037	3-3	42
113	Effect of heating rate on the crystal composition of ferroelectric lithium niobate crystallites. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 427, 256-259	5-7	8
112	Polyhedral construction of hollow ZnO microspheres by CO <sub>2</sub> bubble templates. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 431, 241-245	5-7	42
111	Wet routes of high purity BaTiO <sub>3</sub> nanopowders. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 440, 78-83	5-7	54
110	Self-assembly of 3-D 4d $\bar{f}$ coordination frameworks based on 1-D inorganic heterometallic chains and linear organic linkers. <i>CrystEngComm</i> , <b>2007</b> , 9, 471-477	3-3	116
109	A Comparison of NiMo/Al <sub>2</sub> O <sub>3</sub> Catalysts Prepared by Impregnation and Coprecipitation Methods for Hydrodesulfurization of Dibenzothiophene. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7396-7402	3-8	71
108	Incorporating Metal Clusters into Three-Dimensional Ln(III)Cu(I) Coordination Frameworks through Linear Ligands. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 1726-1732	3-5	92
107	Mild solution-based fabrication of high-quality device-dependent ZnO nanoarrays and ZnS nanotube arrays. <i>Physica Scripta</i> , <b>2007</b> , T129, 288-292	2-6	9
106	An efficient approach for the direct synthesis of lithium niobate powders. <i>Solid State Ionics</i> , <b>2006</b> , 177, 275-280	3-3	38
105	Chemical synthesis of BaCO <sub>3</sub> with a hexagonal pencil-like morphology. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 1427-1431	3-9	29
104	Fabrication of hexagonal MgO and its precursors by a homogeneous precipitation method. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 2341-2348	5-1	34
103	Direct observation of the shape evolution of MgO whiskers in a solution system. <i>Materials Letters</i> , <b>2006</b> , 60, 3160-3164	3-3	36
102	Fabrication of microdomains at the +Z surface of near-stoichiometric lithium tantalate crystals. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 3103-3106	3	3

101	NANOSCALE SURFACE ENGINEERING OF LITHIUM NIOBATE SINGLE CRYSTALS. <i>International Journal of Nanoscience</i> , <b>2006</b> , 05, 737-742	0.6	
100	CHEMICAL PREPARATION OF MgO WHISKERS. <i>International Journal of Nanoscience</i> , <b>2006</b> , 05, 219-224	0.6	3
99	Estimation of electronegativity values of elements in different valence states. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 11332-7	2.8	419
98	Room temperature synthesis of curved ammonium copper molybdate nanoflake and its hierarchical architecture. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 17400-5	3.4	40
97	Room temperature fabrication of hollow ZnS and ZnO architectures by a sacrificial template route. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7102-6	3.4	127
96	Dopant occupancy and structural stability of doped lithium niobate crystals. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	49
95	Selected Controlled Synthesis of Three-Dimensional 4d $\pi$ f Heterometallic Coordination Frameworks by Lanthanide Carboxylate Subunits and Silver Centers. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2551-2557	3.5	178
94	Fabrication of upended taper-shaped cuprous thiocyanate arrays on a copper surface at room temperature. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 11232-6	3.4	29
93	Fabrication of copper hydroxyphosphate with complex architectures. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7750-6	3.4	49
92	Mild, quasireverse emulsion route to submicrometer lithium niobate hollow spheres. <i>Langmuir</i> , <b>2006</b> , 22, 9914-8	4	50
91	General, spontaneous ion replacement reaction for the synthesis of micro- and nanostructured metal oxides. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1581-6	3.4	47
90	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> , <b>2006</b> , 110, 25850-5	3.4	143
89	Spontaneously resolved homochiral 3D lanthanide-silver heterometallic coordination framework with extended helical Ln-O-Ag subunits. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9257-61	5.1	136
88	Morphosynthesis of hierarchical hydrozincite with tunable surface architectures and hollow zinc oxide. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 11076-80	3.4	108
87	Wet chemical synthesis of pure LiNbO <sub>3</sub> powders from simple niobium oxide Nb <sub>2</sub> O <sub>5</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 426, 118-122	5.7	26
86	Bond analyses of borates from the Inorganic Crystal Structure Database. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2006</b> , 62, 702-9		42
85	Luminescent Properties of A Novel Terbium Complex Tb(o-BBA) <sub>3</sub> (phen). <i>Journal of Rare Earths</i> , <b>2006</b> , 24, 253-256	3.7	13
84	Thermoluminescence Characteristics of SrB <sub>6</sub> O <sub>10</sub> :Tb. <i>Journal of Rare Earths</i> , <b>2006</b> , 24, 276-280	3.7	9

83	Aging Effect on Lanthanum Doped Ferroelectric Lead Titanate Ceramics. <i>Journal of Rare Earths</i> , <b>2006</b> , 24, 228-230	3.7	19
82	Facile Synthesis of Lithium Niobate Squares by a Combustion Route. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1551-1556	3.8	24
81	Bond-valence parameters for characterizing O-H $\cdots$ O hydrogen bonds in hydrated borates. <i>Journal of Molecular Structure</i> , <b>2006</b> , 792-793, 280-285	3.4	20
80	Microscopic characteristics of hydrogen bonds of hydrated borates. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 371, 170-176	2.8	13
79	Doping mechanism of optical-damage-resistant ions in lithium niobate crystals. <i>Optics Communications</i> , <b>2006</b> , 265, 537-541	2	30
78	Chemical bond analysis of the crystal growth of KDP and ADP. <i>Journal of Crystal Growth</i> , <b>2006</b> , 286, 108-113	1.6	190
77	Improved growth technology of large MgO single crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 292, 505-509	1.6	7
76	Golden ratio and bond-valence parameters of hydrogen bonds of hydrated borates. <i>Journal of Molecular Structure</i> , <b>2006</b> , 783, 210-214	3.4	15
75	Fabrication of malachite with a hierarchical sphere-like architecture. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 17157-61	3.4	100
74	Mechanical and biomedical properties of hydroxyapatite-based gradient coating on Al <sub>2</sub> O <sub>3</sub> ceramic substrate. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 1675-1681	3.9	17
73	A solvothermal route to crystalline lithium niobate. <i>Materials Letters</i> , <b>2005</b> , 59, 2908-2910	3.3	29
72	Chemical synthesis of NaTaO <sub>3</sub> powder at low-temperature. <i>Materials Letters</i> , <b>2005</b> , 59, 2920-2922	3.3	73
71	Novel self-assembled MgO nanosheet and its precursors. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 12358-61	3.4	137
70	Effects of Li <sup>+</sup> and Nb <sup>5+</sup> cationic sites on macroscopic properties of lithium niobate crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2005</b> , 66, 589-592	3.9	2
69	Compositional dependence of cationic displacements in lithium niobate and lithium tantalate crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2005</b> , 66, 585-588	3.9	8
68	Morphology and structure studies of KDP and ADP crystallites in the water and ethanol solutions. <i>Journal of Molecular Structure</i> , <b>2005</b> , 740, 37-45	3.4	106
67	Growth of large MgO single crystals by an arc-fusion method. <i>Journal of Crystal Growth</i> , <b>2005</b> , 280, 234-238	1.6	13
66	Preparation of magnesium hydroxide nanoflowers. <i>Journal of Crystal Growth</i> , <b>2005</b> , 282, 448-454	1.6	109

65	Morphology control of KDP crystallites. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 370, 84-89	2.8	38
64	Microscopically structural studies of lithium niobate powders. <i>Journal of Molecular Structure</i> , <b>2005</b> , 754, 25-30	3.4	6
63	Domain characteristics and chemical bonds of lithium niobate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2005</b> , 120, 21-26	3.1	10
62	Effect of hydrogen bonds on physical properties of ammonium dihydrogenphosphate crystals. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 716, 207-210		55
61	Chemical synthesis of stoichiometric lithium niobate powders. <i>Materials Letters</i> , <b>2005</b> , 59, 1095-1097	3.3	31
60	Defects and domain engineering of lithium niobate crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2005</b> , 120, 27-31	3.1	9
59	Oriented Assemblies of ZnS One-Dimensional Nanostructures. <i>Advanced Materials</i> , <b>2004</b> , 16, 831-834	2.4	129
58	Electronegativity and structural characteristics of lanthanides. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 352, 99-104	2.8	27
57	Electronic polarizability of the oxide ion and density of binary silicate, borate and phosphate oxide glasses. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 349, 265-269	2.8	17
56	New boron nitride whiskers: showing strong ultraviolet and visible light luminescence. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 6193-6	3.4	56
55	An Estimation of Nonlinear Optical Properties of Lithium Niobate Family Ferroelectrics by the Chemical Bond Model. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 6230-6233	1.4	8
54	Constituent chemical bonds and nonlinear optical coefficients of Na <sub>2</sub> SeO <sub>4</sub> ·H <sub>2</sub> SeO <sub>3</sub> ·H <sub>2</sub> O molecular crystal. <i>Chemical Physics Letters</i> , <b>2003</b> , 371, 601-607	2.5	30
53	Nanoscale domain switching at crystal surfaces of lithium niobate. <i>Chemical Physics Letters</i> , <b>2003</b> , 377, 475-480	2.5	35
52	Crystallographic modifications of physical properties of lithium niobate crystals by the cation location. <i>Journal of Crystal Growth</i> , <b>2003</b> , 249, 507-513	1.6	26
51	Structure-nonlinearity relationship of urea crystal: an ab initio study. <i>Optical Materials</i> , <b>2003</b> , 23, 319-323	3.3	5
50	Atomic packing and octahedral linking model of lithium niobate single crystals. <i>Optical Materials</i> , <b>2003</b> , 23, 399-402	3.3	18
49	Spontaneous growth and luminescence of zinc sulfide nanobelts. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1769-1771	3.7	164
48	Nanocable-aligned ZnS tetrapod nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 16196-16197	6.7	106

47	Crystal Structure and Ferroelectricity of Lithium Niobate Crystals. <i>Ferroelectrics</i> , <b>2003</b> , 297, 19-27	0.6	13
46	Insulating tubular BN sheathing on semiconducting nanowires. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14226-7	16.4	47
45	Chemical-bond analysis of the nonlinear optical properties of the borate crystals LiB <sub>3</sub> O <sub>5</sub> , CsLiB <sub>6</sub> O <sub>10</sub> , and CsB <sub>3</sub> O <sub>5</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, 779-782	2.6	29
44	Dielectric characterization of the defect concentration in lithium niobate single crystals. <i>Solid State Communications</i> , <b>2002</b> , 122, 537-541	1.6	112
43	Linear and nonlinear optical susceptibilities of orthorhombic rare earth molybdates RE <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 359-361	3.9	8
42	Predicting temperature dependence of the refractive index and nonlinear optical coefficients in lithium niobate. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 4638-4643	2.5	11
41	Origin of Differential Etching Rates of the + Z and @ Z Faces of Lithium Niobate Crystal. <i>Ferroelectrics, Letters Section</i> , <b>2002</b> , 29, 89-93	0.5	16
40	Induced Li-site vacancies and non-linear optical behavior of doped lithium niobate crystals. <i>Optical Materials</i> , <b>2001</b> , 16, 381-387	3.3	11
39	Temperature dependence of the dielectric response of lithium niobate. <i>Journal of Physics and Chemistry of Solids</i> , <b>2001</b> , 62, 973-976	3.9	7
38	Second order nonlinear optical properties of In-doped lithium niobate. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 849-854	2.5	11
37	Optical Second-Harmonic Generation in Benzophenone. <i>Physica Status Solidi A</i> , <b>2000</b> , 180, r5-r7		20
36	Dielectric properties of lithium niobate tantalate crystals. <i>Solid State Communications</i> , <b>2000</b> , 115, 581-585.6		28
35	Nonlinear optical properties of borate crystals. <i>Solid State Communications</i> , <b>2000</b> , 114, 21-25	1.6	117
34	Synthesis of waste interception and allocation networks using genetic-alopez algorithm. <i>Computers and Chemical Engineering</i> , <b>2000</b> , 24, 1455-1460	4	7
33	Chemical bond analysis of the second order nonlinear optical behavior of Zn-doped lithium niobate. <i>Optics Communications</i> , <b>2000</b> , 182, 167-173	2	10
32	Chemical bond analysis of the second-order nonlinear optical behaviour of Mg-doped lithium niobate. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 6245-6252	1.8	9
31	Theoretical studies of nonlinear optical properties of compounds K <sub>4</sub> Ln <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> F <sub>4</sub> (Ln=Pr, Nd, Sm, Eu, Gd). <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 2849-2852	2.5	4
30	Dielectric properties of I-III-VI <sub>2</sub> -type chalcopyrite semiconductors. <i>Physical Review B</i> , <b>2000</b> , 62, 13546-13551		58

- 29 Dielectric constants of binary rare-earth compounds. *Journal of Physics Condensed Matter*, **2000**, 12, 3113-8118g2
- 28 Chemical bond analysis of the correlation between crystal structure and nonlinear optical properties of complex crystals. *Physica B: Condensed Matter*, **1999**, 262, 78-83 2.8 77
- 27 Effect of hydrogen bonds on optical nonlinearities of inorganic crystals. *Chemical Physics Letters*, **1999**, 301, 449-452 2.5 98
- 26 Structural analysis of nonlinearities of  $\text{Ca}_4\text{ReO}(\text{BO}_3)_3$  (Re = La, Nd, Sm, Gd, Er, Y). *Applied Physics A: Materials Science and Processing*, **1999**, 68, 57-61 2.6 27
- 25 Calculation of Second-Order Nonlinear Optical Coefficients of  $\text{KTiOPO}_4$  and  $\text{KTiOAsO}_4$ . *Journal of Solid State Chemistry*, **1999**, 142, 156-162 3.3 10
- 24 Relationship between Dielectric Responses and Constituent Atoms in Crystal Materials. *Physica Status Solidi (B): Basic Research*, **1999**, 216, R7-R8 1.3 11
- 23 Origin of the Large Nonlinear Optical Coefficients in Bismuth Borate  $\text{BiB}_3\text{O}_6$ . *Physica Status Solidi A*, **1999**, 176, R1-R2 26
- 22 Calculations of nonlinear optical responses of isomorphous crystals  $\text{NaClO}_3$  and  $\text{NaBrO}_3$  with natural optical activity. *Chemical Physics Letters*, **1998**, 287, 503-508 2.5 21
- 21 Linear and nonlinear optical properties of  $\text{KNbO}_3$ . *Chemical Physics Letters*, **1998**, 291, 401-406 2.5 46
- 20 Structure-Property Relationships in  $\text{Li}_1-x\text{HxIO}_3$  Type Complex Crystals. *Journal of Solid State Chemistry*, **1998**, 135, 121-126 3.3 11
- 19 Calculation of Nonlinear Optical Properties of  $\text{KNdP}_4\text{O}_{12}$ . *Physica Status Solidi A*, **1998**, 165, 509-515 3
- 18 CALCULATION OF NONLINEAR OPTICAL COEFFICIENTS OF ORTHORHOMBIC  $\text{Re}_2(\text{MoO}_4)_3$  CRYSTALS. *Journal of Physics and Chemistry of Solids*, **1998**, 59, 1337-1341 3.9 16
- 17 Structure and Non-linear Optical Properties of  $\beta$ -Barium Borate. *Acta Crystallographica Section B: Structural Science*, **1998**, 54, 652-656 23
- 16 Bond-charge calculation of nonlinear optical susceptibilities of  $\text{LiXO}_3$  type complex crystals. *Chemical Physics*, **1998**, 226, 307-318 2.3 15
- 15 Calculation of nonlinearities of  $\text{K}_2\text{Ce}(\text{NO}_3)_5 \cdot 2\text{H}_2\text{O}$  and  $\text{K}_2\text{La}(\text{NO}_3)_5 \cdot 2\text{H}_2\text{O}$ . *Molecular Physics*, **1998**, 93, 411-415 1.7 7
- 14 The role of Li-O bonds in calculations of nonlinear optical coefficients of  $\text{LiXO}_3$ -type complex crystals. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1998**, 78, 29-36 7
- 13 The effect of stoichiometry on nonlinear optical properties of. *Journal of Physics Condensed Matter*, **1997**, 9, 7515-7522 1.8 26
- 12 Chemical Bond Analysis of Nonlinearity of Urea Crystal. *Journal of Physical Chemistry A*, **1997**, 101, 5547-5550 55

11	The origin of nonlinearity in KTiOPO <sub>4</sub> . <i>Applied Physics Letters</i> , <b>1997</b> , 70, 943-945	3.4	36
10	Nonlinear optical properties of (B <sub>3</sub> O <sub>7</sub> ) <sup>5-</sup> and (B <sub>3</sub> O <sub>6</sub> ) <sup>3-</sup> groups. <i>Applied Physics A: Materials Science and Processing</i> , <b>1997</b> , 65, 451-456	2.6	15
9	Comparison of non-linear optical susceptibilities of KNbO <sub>3</sub> and LiNbO <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>1997</b> , 58, 1399-1402	3.9	21
8	The Origin of Nonlinearities in K[B <sub>5</sub> O <sub>6</sub> (OH) <sub>4</sub> ] · 2 H <sub>2</sub> O Crystal. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 200, 351-358	1.3	8
7	Bond-Charge Calculation of Electro-Optic Coefficients of Diatomic Crystals. <i>Journal of Solid State Chemistry</i> , <b>1997</b> , 128, 17-20	3.3	7
6	Dependence of Linear Electro-optic Coefficient on Difference in the Atomic Sizes in Zinc Blende Crystals. <i>Journal of Solid State Chemistry</i> , <b>1997</b> , 130, 54-57	3.3	3
5	Calculation of the nonlinear optical coefficient of the crystal. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 1949-1956	1.8	72
4	Nonlinearity of the complex crystals with O-H bond. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1321-1328	3.9	28
3	Elucidating the activity, mechanism and application of selective electrosynthesis of ammonia from nitrate on cobalt phosphide. <i>Energy and Environmental Science</i> ,	35.4	10
2	The role of Li-O bonds in calculations of nonlinear optical coefficients of LiXO <sub>3</sub> -type complex crystals		2
1	Rational Design of Electrolyte Solvation Structures for Modulating 2e <sup>-</sup> /4e <sup>-</sup> Transfer in Sodium-Air Batteries. <i>Advanced Functional Materials</i> , 2201258	15.6	3