Stanislaus S Wong

List of Publications by Year
in descending order

174	17,666	12330	12946
papers	citations	69 h-index	131 g-index

178	178	178	20992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lanthanum-based double perovskite nanoscale motifs as support media for the methanol oxidation reaction. Catalysis Science and Technology, 2022, 12, 613-629.	4.1	8
2	Probing the Physicochemical Behavior of Variously Doped Li₄Ti₅O₁₂Nanoflowers. ACS Physical Chemistry Au, 2022, 2, 331-345.	4.0	2
3	Yttrium-based Double Perovskite Nanorods for Electrocatalysis. ACS Applied Materials & Interfaces, 2022, 14, 30914-30926.	8.0	2
4	Reconciling structure prediction of alloyed, ultrathin nanowires with spectroscopy. Chemical Science, 2021, 12, 7158-7173.	7.4	6
5	Surfactant-Free Synthesis of Three-Dimensional Perovskite Titania-Based Micron-Scale Motifs Used as Catalytic Supports for the Methanol Oxidation Reaction. Molecules, 2021, 26, 909.	3.8	5
6	Exploring Strategies toward Synthetic Precision Control within Coreâ€“Shell Nanowires. Accounts of Chemical Research, 2021, 54, 2565-2578.	15.6	7
7	Microwave-Assisted Synthesis of Cu@IrO₂ Core-Shell Nanowires for Low-Temperature Methane Conversion. ACS Applied Nano Materials, 2021, 4, 11145-11158.	5.0	7
8	Forum on Artificial Intelligence/Machine Learning for Design and Development of Applied Materials. ACS Applied Materials & Interfaces, 2021, 13, 53301-53302.	8.0	5
9	Assessing the Catalytic Behavior of Platinum Group Metal-Based Ultrathin Nanowires Using X-ray Absorption Spectroscopy. ACS Applied Materials & Interfaces, 2021, 13, 58253-58260.	8.0	6
10	Optimized Microwave-Based Synthesis of Thermally Stable Inverse Catalytic Coreâ€“shell Motifs for CO2 Hydrogenation. ACS Applied Materials & Interfaces, 2020, 12, 32591-32603.	8.0	10
11	Microwave-Based Synthesis of Functional Morphological Variants and Carbon Nanotube-Based Composites of VS₄ for Electrochemical Applications. ACS Sustainable Chemistry and Engineering, 2020, 8, 16397-16412.	6.7	9
12	Impact of the surface phase transition on magnon and phonon excitations in BiFeO3 nanoparticles. Applied Physics Letters, 2020, 116, .	3.3	5
13	Devising novel methods for the controlled synthesis with morphology and size control of scintillator materials. Journal of Materials Chemistry C, 2020, 8, 8622-8634.	5.5	5
14	Synthesis and electrocatalytic applications of flower-like motifs and associated composites of nitrogen-enriched tungsten nitride (W2N3). Nano Research, 2020, 13, 1434-1443.	10.4	23
15	Solutionâ€Based, Anionâ€Doping of Li₄Ti₅O₁₂ Nanoflowers for Lithiumâ€Ion Battery Applications. Chemistry - A European Journal, 2020, 26, 9389-9402.	3.3	19
16	Studying Catalytically Viable Single-Crystalline Metal Oxide Nanorods Using Synchrotron-Based Scanning Hard X-ray Microscopy. Journal of Physical Chemistry C, 2019, 123, 17185-17195.	3.1	3
17	Frontispiece: Nanoscale Perovskites as Catalysts and Supports for Direct Methanol Fuel Cells. Chemistry - A European Journal, 2019, 25, .	3.3	0
18	Synthesis, Characterization, and Stability Studies of Ge-Based Perovskites of Controllable Mixed Cation Composition, Produced with an Ambient Surfactant-Free Approach. ACS Omega, 2019, 4, 18219-18233.	3.5	33

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19	Examining the Role of Anisotropic Morphology: Comparison of Free-Standing Magnetite Nanorods versus Spherical Magnetite Nanoparticles for Electrochemical Lithium-Ion Storage. ACS Applied Energy Materials, 2019, 2, 4801-4812.	5.1	9
20	Impact of Synthesis Method on Phase Transformations of Layered Lithium Vanadium Oxide upon Electrochemical (De)lithiation. Journal of the Electrochemical Society, 2019, 166, A771-A778.	2.9	10
21	Nanoscale Perovskites as Catalysts and Supports for Direct Methanol Fuel Cells. Chemistry - A European Journal, 2019, 25, 7779-7797.	3.3	15
22	Metal chalcogenide quantum dot-sensitized 1D-based semiconducting heterostructures for optical-related applications. Energy and Environmental Science, 2019, 12, 1454-1494.	30.8	19
23	Synthesis, Structural Characterization, and Growth Mechanism of Li_{1+x}V₃O₈ Submicron Fibers for Lithium-Ion Batteries. Crystal Growth and Design, 2018, 18, 2055-2066.	3.0	13
24	Ultrathin Pt_xSn_{1â€“x}Nanowires for Methanol and Ethanol Oxidation Reactions: Tuning Performance by Varying Chemical Composition. ACS Applied Nano Materials, 2018, 1, 1104-1115.	5.0	39
25	Structural and Electrochemical Characteristics of Ca-Doped â€œFlower-likeâ€• Li₄Ti₅O₁₂Motifs as High-Rate Anode Materials for Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 671-684.	6.7	76
26	Synthesis, properties, and formation mechanism of Mn-doped Zn₂SiO₄ nanowires and associated heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 10086-10099.	2.8	18
27	Ultrathin Metallic Nanowire-Based Architectures as High-Performing Electrocatalysts. ACS Omega, 2018, 3, 3294-3313.	3.5	15
28	Synthesis, characterization, and growth mechanism of motifs of ultrathin cobalt-substituted NaFeSi₂O₆ nanowires. CrystEngComm, 2018, 20, 223-236.	2.6	4
29	Improved Models for Metallic Nanoparticle Cores from Atomic Pair Distribution Function (PDF) Analysis. Journal of Physical Chemistry C, 2018, 122, 29498-29506.	3.1	41
30	Synthesis-driven, structure-dependent optical behavior in phase-tunable NaYF₄:Yb,Er-based motifs and associated heterostructures. Physical Chemistry Chemical Physics, 2017, 19, 2153-2167.	2.8	9
31	Understanding the Effect of Preparative Approaches in the Formation of â€œFlower-likeâ€• Li4Ti5O12â€”Multiwalled Carbon Nanotube Composite Motifs with Performance as High-Rate Anode Materials for Li-Ion Battery Applications. Journal of the Electrochemical Society, 2017, 164, A524-A534.	2.9	14
32	Publisherâ€™s note. Ultramicroscopy, 2017, 177, 14-19.	1.9	5
33	Magnetochromic sensing and size-dependent collective excitations in iron oxide nanoparticles. Physical Review B, 2017, 95, .	3.2	1
34	Utilizing Electrical Characteristics of Individual Nanotube Devices to Study the Charge Transfer between CdSe Quantum Dots and Double-Walled Nanotubes. ACS Energy Letters, 2017, 2, 717-725.	17.4	5
35	Correlating Preparative Approaches with Electrochemical Performance of Fe₃O₄-MWNT Composites Used as Anodes in Li-Ion Batteries. ECS Journal of Solid State Science and Technology, 2017, 6, M3122-M3131.	1.8	13
36	A Generalizable Multigram Synthesis and Mechanistic Investigation of YMnO₃ Nanoplates. Industrial & Engineering Chemistry Research, 2017, 56, 5573-5585.	3.7	9

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37	Morphological and Chemical Tuning of High-Energy-Density Metal Oxides for Lithium Ion Battery Electrode Applications. ACS Energy Letters, 2017, 2, 1465-1478.	17.4	56
38	Electron-beam-induced-current and active secondary-electron voltage-contrast with aberration-corrected electron probes. Ultramicroscopy, 2017, 176, 80-85.	1.9	14
39	Chemically Tunable, Allâ€Inorganicâ€Based Whiteâ€Light Emitting 0Dâ€“1D Heterostructures. Advanced Optical Materials, 2017, 5, 1700089.	7.3	3
40	Generalizable, Electroless, Template-Assisted Synthesis and Electrocatalytic Mechanistic Understanding of Perovskite LaNiO₃ Nanorods as Viable, Supportless Oxygen Evolution Reaction Catalysts in Alkaline Media. ACS Applied Materials & Interfaces, 2017, 9, 24634-24648.	8.0	51
41	Structural phase transitions in SrTiO3 nanoparticles. Applied Physics Letters, 2017, 111, .	3.3	6
42	Ligand-induced dependence of charge transfer in nanotubeâ€“quantum dot heterostructures. Nanoscale, 2016, 8, 15553-15570.	5.6	20
43	Chemical Strategies for Enhancing Activity and Charge Transfer in Ultrathin Pt Nanowires Immobilized onto Nanotube Supports for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 34280-34294.	8.0	16
44	Role of Chemical Composition in the Enhanced Catalytic Activity of Pt-Based Alloyed Ultrathin Nanowires for the Hydrogen Oxidation Reaction under Alkaline Conditions. ACS Catalysis, 2016, 6, 3895-3908.	11.2	155
45	Absence of cytotoxicity towards microglia of iron oxide (Î±-Fe2O3) nanorhombohedra. Toxicology Research, 2016, 5, 836-847.	2.1	7
46	Correlating Titania Nanostructured Morphologies with Performance as Anode Materials for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2016, 4, 6299-6312.	6.7	29
47	Correlating the chemical composition and size of various metal oxide substrates with the catalytic activity and stability of as-deposited Pt nanoparticles for the methanol oxidation reaction. Catalysis Science and Technology, 2016, 6, 2435-2450.	4.1	29
48	Probing charge transfer in a novel class of luminescent perovskite-based heterostructures composed of quantum dots bound to RE-activated CaTiO3 phosphors. Nanoscale, 2016, 8, 2129-2142.	5.6	19
49	Enhanced Performance of â€œFlowerâ€likeâ€•Li₄Ti₅O₁₂ Motifs as Anode Materials for Highâ€Rate Lithiumâ€Ion Batteries. ChemSusChem, 2015, 8, 3304-3313.	6.8	49
50	Ambient synthesis, characterization, and electrochemical activity of LiFePO4 nanomaterials derived from iron phosphate intermediates. Nano Research, 2015, 8, 2573-2594.	10.4	10
51	Multifunctional Ultrathin Pd_xCu_{1â€“x} and Ptâ¼Pd_xCu_{1â€“x} One-Dimensional Nanowire Motifs for Various Small Molecule Oxidation Reactions. ACS Applied Materials & Interfaces, 2015, 7, 26145-26157.	8.0	64
52	Synthesis of Compositionally Defined Single-Crystalline Eu³⁺-Activated Molybdateâ€“Tungstate Solid-Solution Composite Nanowires and Observation of Charge Transfer in a Novel Class of 1D CaMoO₄â€“CaWO₄:Eu³⁺â€“0D CdS/CdSe QD Nanoscale Heterostructures. Journal of Physical Chemistry C, 2015, 119, 3826-3842.	3.1	23
53	Probing Structure-Induced Optical Behavior in a New Class of Self-Activated Luminescent 0D/1D CaWO₄ Metal Oxideâ€“CdSe Nanocrystal Composite Heterostructures. Chemistry of Materials, 2015, 27, 778-792.	6.7	12
54	Magnetic and MÃ¶ssbauer characterization of the magnetic properties of single-crystalline sub-micron sized Bi2Fe4O9 cubes. Current Applied Physics, 2015, 15, 417-422.	2.4	17

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55	Sustainable nanotechnology. Chemical Society Reviews, 2015, 44, 5755-5757.	38.1	29
56	A concise guide to sustainable PEMFCs: recent advances in improving both oxygen reduction catalysts and proton exchange membranes. Chemical Society Reviews, 2015, 44, 5836-5860.	38.1	296
57	Correlating Size and Composition-Dependent Effects with Magnetic, MÃ¶ssbauer, and Pair Distribution Function Measurements in a Family of Catalytically Active Ferrite Nanoparticles. Chemistry of Materials, 2015, 27, 3572-3592.	6.7	77
58	In Situ Probing of the Active Site Geometry of Ultrathin Nanowires for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2015, 137, 12597-12609.	13.7	46
59	Research Update: Synthesis, properties, and applications of ultrathin metallic nanowires and associated heterostructures. APL Materials, 2015, 3, .	5.1	14
60	Probing the Dependence of Electron Transfer on Size and Coverage in Carbon Nanotubeâ€“Quantum Dot Heterostructures. Journal of Physical Chemistry C, 2015, 119, 26327-26338.	3.1	22
61	Tailoring the composition of ultrathin, ternary alloy PtRuFe nanowires for the methanol oxidation reaction and formic acid oxidation reaction. Energy and Environmental Science, 2015, 8, 350-363.	30.8	264
62	Size-dependent vibronic coupling in Î±-Fe2O3. Journal of Chemical Physics, 2014, 141, 044710.	3.0	5
63	Probing differential optical and coverage behavior in nanotubeâ€“nanocrystal heterostructures synthesized by covalent versus non-covalent approaches. Dalton Transactions, 2014, 43, 7480.	3.3	8
64	Morphology and dopant-dependent optical characteristics of novel composite 1D and 3D-based heterostructures of CdSe nanocrystals and LaPO‹sub›4‹/sub›:Re (Re = Eu, Ce, Tb) metal phosphate nanowires. RSC Advances, 2014, 4, 34963-34980.	3.6	20
65	Observation of Ferroelectricity and Structure-Dependent Magnetic Behavior in Novel One-Dimensional Motifs of Pure, Crystalline Yttrium Manganese Oxides. Journal of Physical Chemistry C, 2014, 118, 21695-21705.	3.1	11
66	Observation of Photoinduced Charge Transfer in Novel Luminescent CdSe Quantum Dotâ€“CePO‹sub›4‹/sub›:Tb Metal Oxide Nanowire Composite Heterostructures. Journal of Physical Chemistry C, 2014, 118, 5671-5682.	3.1	24
67	Synthesis, Characterization, and Formation Mechanism of Crystalline Cu and Ni Metallic Nanowires under Ambient, Seedless, Surfactantless Conditions. Crystal Growth and Design, 2014, 14, 3825-3838.	3.0	6
68	Probing Ultrathin One-Dimensional Pdâ€“Ni Nanostructures As Oxygen Reduction Reaction Catalysts. ACS Catalysis, 2014, 4, 2544-2555.	11.2	126
69	Tailoring Chemical Composition To Achieve Enhanced Methanol Oxidation Reaction and Methanol-Tolerant Oxygen Reduction Reaction Performance in Palladium-Based Nanowire Systems. ACS Catalysis, 2013, 3, 2031-2040.	11.2	53
70	Carbon nanotube-based heterostructures for solar energy applications. Chemical Society Reviews, 2013, 42, 8134.	38.1	85
71	Ambient Synthesis of High-Quality Ruthenium Nanowires and the Morphology-Dependent Electrocatalytic Performance of Platinum-Decorated Ruthenium Nanowires and Nanoparticles in the Methanol Oxidation Reaction. ACS Applied Materials & Interfaces, 2013, 5, 5518-5530.	8.0	44
72	Ultrafast Transient Absorption Studies of Hematite Nanoparticles: The Effect of Particle Shape on Exciton Dynamics. ChemSusChem, 2013, 6, 1907-1914.	6.8	26

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73	Effects of electronic correlation, physical structure, and surface termination on the electronic structure of V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>nanowires. Physical Review B, 2012, 86, .	3.2	6
74	Ensuring sustainability with green nanotechnology. Nanotechnology, 2012, 23, 290201-290201.	2.6	19
75	Fabrication and enhanced photocatalytic activity of inorganic coreâ€“shell nanofibers produced by coaxial electrospinning. Chemical Science, 2012, 3, 1262.	7.4	68
76	Multifunctional Nanochemistry: Ambient, Electroless, Templateâ€Based Synthesis and Characterization of Segmented Bimetallic Pd/Au and Pd/Pt Nanowires as Highâ€Performance Electrocatalysts and Nanomotors. Israel Journal of Chemistry, 2012, 52, 1090-1103.	2.3	6
77	Designing Enhanced One-Dimensional Electrocatalysts for the Oxygen Reduction Reaction: Probing Size- and Composition-Dependent Electrocatalytic Behavior in Noble Metal Nanowires. Journal of Physical Chemistry Letters, 2012, 3, 3385-3398.	4.6	79
78	Highly Enhanced Electrocatalytic Oxygen Reduction Performance Observed in Bimetallic Palladium-Based Nanowires Prepared under Ambient, Surfactantless Conditions. Nano Letters, 2012, 12, 2013-2020.	9.1	119
79	Size- and Composition-Dependent Enhancement of Electrocatalytic Oxygen Reduction Performance in Ultrathin Palladiumâ€“Gold (Pd_{1â€“x}Au_x) Nanowires. Journal of Physical Chemistry C, 2012, 116, 15297-15306.	3.1	75
80	Surface phase transitions in BiFeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>below room temperature. Physical Review B, 2012, 85, .	3.2	70
81	Trap States in TiO₂ Films Made of Nanowires, Nanotubes or Nanoparticles: An Electrochemical Study. ChemPhysChem, 2012, 13, 3008-3017.	2.1	73
82	Correlating titania morphology and chemical composition with dye-sensitized solar cell performance. Nanotechnology, 2011, 22, 245402.	2.6	17
83	Quantitatively Probing the Means of Controlling Nanoparticle Assembly on Surfaces. Langmuir, 2011, 27, 5792-5805.	3.5	5
84	Efficient Charge Separation in Multidimensional Nanohybrids. Nano Letters, 2011, 11, 4562-4568.	9.1	34
85	Ambient Surfactantless Synthesis, Growth Mechanism, and Size-Dependent Electrocatalytic Behavior of High-Quality, Single Crystalline Palladium Nanowires. ACS Nano, 2011, 5, 7471-7487.	14.6	72
86	Synthesis and Characterization of One-Dimensional Cr₂O₃ Nanostructures. Chemistry of Materials, 2011, 23, 1000-1008.	6.7	51
87	Enhanced Electrocatalytic Performance of Processed, Ultrathin, Supported Pdâ€“Pt Coreâ€“Shell Nanowire Catalysts for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2011, 133, 9783-9795.	13.7	442
88	One-dimensional noble metal electrocatalysts: a promising structural paradigm for direct methanolfuelcells. Energy and Environmental Science, 2011, 4, 1161-1176.	30.8	372
89	Toward a Reliable Synthesis of Strontium Ruthenate: Parameter Control and Property Investigation of Submicrometer-Sized Structures. Chemistry of Materials, 2011, 23, 3277-3288.	6.7	15
90	Effect of morphology of ZnO nanostructures on their toxicity to marine algae. Aquatic Toxicology, 2011, 102, 186-196.	4.0	223

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91	Viable methodologies for the synthesis of high-quality nanostructures. Green Chemistry, 2011, 13, 482.	9.0	133
92	Morphology-dependent activity of Pt nanocatalysts for ethanol oxidation in acidic media: Nanowires versus nanoparticles. Electrochimica Acta, 2011, 56, 9824-9830.	5.2	50
93	Synthesis, characterization, and luminescence properties of magnesium coordination networks using a thiophene-based linker. Inorganica Chimica Acta, 2011, 378, 109-114.	2.4	17
94	Effects of single walled carbon nanotubes on the electroluminescent performance of organic light-emitting diodes. Organic Electronics, 2011, 12, 1098-1102.	2.6	4
95	Waterâ€Dispersible, Multifunctional, Magnetic, Luminescent Silicaâ€Encapsulated Composite Nanotubes. Small, 2010, 6, 412-420.	10.0	35
96	Ambient Large-Scale Template-Mediated Synthesis of High-Aspect Ratio Single-Crystalline, Chemically Doped Rare-Earth Phosphate Nanowires for Bioimaging. ACS Nano, 2010, 4, 99-112.	14.6	153
97	Properties of highly crystalline NiO and Ni nanoparticles prepared by high-temperature oxidation and reduction. Physical Review B, 2010, 81, .	3.2	67
98	Composition-dependent magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BiFeO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m solution nanostructures. Physical Review B, 2010, 82, .	3.2	118
99	Mechanism-Based Tumor-Targeting Drug Delivery System. Validation of Efficient Vitamin Receptor-Mediated Endocytosis and Drug Release. Bioconjugate Chemistry, 2010, 21, 979-987.	3.6	301
100	Evaluating Cytotoxicity and Cellular Uptake from the Presence of Variously Processed TiO2 Nanostructured Morphologies. Chemical Research in Toxicology, 2010, 23, 871-879.	3.3	62
101	Solution-based synthetic strategies for one-dimensional metal-containing nanostructures. Chemical Communications, 2010, 46, 8093.	4.1	89
102	Size-Dependent Enhancement of Electrocatalytic Performance in Relatively Defect-Free, Processed Ultrathin Platinum Nanowires. Nano Letters, 2010, 10, 2806-2811.	9.1	245
103	Size-Dependent Infrared Phonon Modes and Ferroelectric Phase Transition in BiFeO₃ Nanoparticles. Nano Letters, 2010, 10, 4526-4532.	9.1	146
104	Covalent Synthesis and Optical Characterization of Double-Walled Carbon Nanotubeâ^'Nanocrystal Heterostructures. Journal of Physical Chemistry C, 2010, 114, 8766-8773.	3.1	27
105	Synthesis of single-crystalline one-dimensional LiNbO3 nanowires. CrystEngComm, 2010, 12, 2675.	2.6	44
106	Photoelectrochemical behaviour of anatase nanoporous films: effect of the nanoparticle organization. Nanoscale, 2010, 2, 1690.	5.6	27
107	Shape-dependent surface energetics of nanocrystalline TiO2. Journal of Materials Chemistry, 2010, 20, 8639.	6.7	34
108	Functional Covalent Chemistry of Carbon Nanotube Surfaces. Advanced Materials, 2009, 21, 625-642.	21.0	238

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109	Optical nanocrystallography with tip-enhanced phonon Raman spectroscopy. Nature Nanotechnology, 2009, 4, 496-499.	31.5	106
110	Enhanced Electrocatalytic Performance of One-Dimensional Metal Nanowires and Arrays Generated via an Ambient, Surfactantless Synthesis. Journal of Physical Chemistry C, 2009, 113, 5460-5466.	3.1	92
111	Carbon nanotubeâ€“nanocrystal heterostructures. Chemical Society Reviews, 2009, 38, 1076.	38.1	253
112	Controlling Nanocrystal Density and Location on Carbon Nanotube Templates. Chemistry of Materials, 2009, 21, 682-694.	6.7	29
113	Synthesis and characterization of V2O3 nanorods. Physical Chemistry Chemical Physics, 2009, 11, 3718.	2.8	35
114	Controlled Synthesis of Semiconducting Metal Sulfide Nanowires. Chemistry of Materials, 2009, 21, 4541-4554.	6.7	137
115	Effect of ozonolysis on the pore structure, surface chemistry, and bundling of single-walled carbon nanotubes. Journal of Colloid and Interface Science, 2008, 317, 375-382.	9.4	80
116	Ambient template synthesis of multiferroic MnWO4 nanowires and nanowire arrays. Journal of Solid State Chemistry, 2008, 181, 1539-1545.	2.9	63
117	A Facile and Mild Synthesis of 1-D ZnO, CuO, and Î±-Fe₂O₃ Nanostructures and Nanostructured Arrays. ACS Nano, 2008, 2, 944-958.	14.6	165
118	Functionalized Single-Walled Carbon Nanotubes as Rationally Designed Vehicles for Tumor-Targeted Drug Delivery. Journal of the American Chemical Society, 2008, 130, 16778-16785.	13.7	440
119	Electronic Structure and Chemistry of Iron-Based Metal Oxide Nanostructured Materials: A NEXAFS Investigation of BiFeO₃, Bi₂Fe₄O₉, Î±-Fe₂O₃, Î³-Fe₂O₃, and Fe/Fe₃O₄. Journal of Physical Chemistry C, 2008, 112, 10359-10369.	3.1	84
120	Exploring the Room-Temperature Synthesis and Properties of Multifunctional Doped Tungstate Nanorods. Journal of Physical Chemistry C, 2008, 112, 14816-14824.	3.1	38
121	Room-Temperature Preparation, Characterization, and Photoluminescence Measurements of Solid Solutions of Various Compositionally-Defined Single-Crystalline Alkaline-Earth-Metal Tungstate Nanorods. Chemistry of Materials, 2008, 20, 5500-5512.	6.7	65
122	Human epithelial cell processing of carbon and gold nanoparticles. International Journal of Nanotechnology, 2008, 5, 55.	0.2	26
123	Functionalized Carbon Nanotubes for Detecting Viral Proteins. Nano Letters, 2007, 7, 3086-3091.	9.1	101
124	Atomic-Scale Structure of Nanosized Titania and Titanate: Particles, Wires, and Tubes. Chemistry of Materials, 2007, 19, 6180-6186.	6.7	60
125	Quantitative Control over Electrodeposition of Silica Films onto Single-Walled Carbon Nanotube Surfacesâ€. Journal of Physical Chemistry C, 2007, 111, 17730-17742.	3.1	25
126	Shape control and spectroscopy of crystalline BaZrO3 perovskite particles. Journal of Materials Chemistry, 2007, 17, 1707.	6.7	68

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127	Effects of ozonolysis and subsequent growth of quantum dots on the electrical properties of freestanding single-walled carbon nanotube films. Chemical Physics Letters, 2007, 442, 354-359.	2.6	21
128	Environmentally Friendly Methodologies of Nanostructure Synthesis. Small, 2007, 3, 1122-1139.	10.0	314
129	Probing Structureâ^'Parameter Correlations in the Molten Salt Synthesis of BaZrO3Perovskite Submicrometer-Sized Particles. Chemistry of Materials, 2007, 19, 5238-5249.	6.7	72
130	Size-Dependent Magnetic Properties of Single-Crystalline Multiferroic BiFeO3Nanoparticles. Nano Letters, 2007, 7, 766-772.	9.1	1,135
131	Purification strategies and purity visualization techniques for single-walled carbon nanotubes. Journal of Materials Chemistry, 2006, 16, 141-154.	6.7	210
132	Silylation of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2006, 18, 4827-4839.	6.7	70
133	Imperfect surface order and functionalization in vertical carbon nanotube arrays probed by near edge X-ray absorption fine structure spectroscopy (NEXAFS). Physical Chemistry Chemical Physics, 2006, 8, 5038.	2.8	20
134	Observation of Fano asymmetry in Raman spectra of SrTiO3 and CaxSr1â^'xTiO3 perovskite nanocubes. Applied Physics Letters, 2006, 89, 223130.	3.3	72
135	Synthesis and Growth Mechanism of Titanate and Titania One-Dimensional Nanostructures Self-Assembled into Hollow Micrometer-Scale Spherical Aggregates. Journal of Physical Chemistry B, 2006, 110, 702-710.	2.6	130
136	As-Prepared Single-Crystalline Hematite Rhombohedra and Subsequent Conversion into Monodisperse Aggregates of Magnetic Nanocomposites of Iron and Magnetite. Chemistry of Materials, 2006, 18, 5289-5295.	6.7	44
137	Near-Edge X-ray Absorption Fine Structure Spectroscopy as a Tool for Investigating Nanomaterials. Small, 2006, 2, 26-35.	10.0	152
138	Size- and Shape-Dependent Transformation of Nanosized Titanate into Analogous Anatase Titania Nanostructures. Journal of the American Chemical Society, 2006, 128, 8217-8226.	13.7	311
139	Synthesis, characterization, and photocatalytic properties of pyrochlore Bi2Ti2O7 nanotubes. Journal of Materials Research, 2006, 21, 2941-2947.	2.6	25
140	Covalent Surface Chemistry of Single-Walled Carbon Nanotubes. Advanced Materials, 2005, 17, 17-29.	21.0	1,112
141	Synthesis of classes of ternary metal oxide nanostructures. Chemical Communications, 2005, , 5721.	4.1	163
142	Routes Towards Separating Metallic and Semiconducting Nanotubes. Journal of Nanoscience and Nanotechnology, 2005, 5, 841-855.	0.9	47
143	Near-Edge X-ray Absorption Fine Structure Investigations of Order in Carbon Nanotube-Based Systemsâ€. Journal of Physical Chemistry B, 2005, 109, 8489-8495.	2.6	76
144	Synthesis and characterization of submicron single-crystalline Bi2Fe4O9 cubes. Journal of Materials Chemistry, 2005, 15, 2099.	6.7	99

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145	Investigating the structure of boron nitride nanotubes by near-edge X-ray absorption fine structure (NEXAFS) spectroscopy. Physical Chemistry Chemical Physics, 2005, 7, 1103.	2.8	38
146	In-Situ Growth ofâ€œFusedâ€ Ozonized Single-Walled Carbon Nanotubesâ€”CdTe Quantum Dot Junctions. Advanced Materials, 2004, 16, 34-37.	21.0	50
147	Surface Chemistry and Structure of Purified, Ozonized, Multiwalled Carbon Nanotubes Probed by NEXAFS and Vibrational Spectroscopies. ChemPhysChem, 2004, 5, 1416-1422.	2.1	73
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