

Wendelin J Stark

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6681934/publications.pdf>

Version: 2024-02-01

245
papers

17,521
citations

15466

65
h-index

15683

125
g-index

265
all docs

265
docs citations

265
times ranked

22011
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica-encapsulated DNA tracers for measuring aerosol distribution dynamics in real-world settings. <i>Indoor Air</i> , 2022, 32, .	2.0	3
2	Anhydrous calcium phosphate crystals stabilize DNA for dry storage. <i>Chemical Communications</i> , 2022, 58, 3174-3177.	2.2	8
3	Integrating DNA Encapsulates and Digital Microfluidics for Automated Data Storage in DNA. <i>Small</i> , 2022, 18, e2107381.	5.2	21
4	Removal of Circulating Tumor Cells from Blood Samples of Cancer Patients Using Highly Magnetic Nanoparticles: A Translational Research Project. <i>Pharmaceutics</i> , 2022, 14, 1397.	2.0	4
5	Increased Longevity and Pumping Performance of an Injection Molded Soft Total Artificial Heart. <i>Soft Robotics</i> , 2021, 8, 588-593.	4.6	9
6	Preparation of Functionalized Carbon-Coated Cobalt Nanoparticles with Sulfonated Arene Derivatives, a Study on Surface Functionalization and Stability. <i>Chemistry - A European Journal</i> , 2021, 27, 4108-4114.	1.7	5
7	Ecotoxicological Assessment of DNA-Tagged Silica Particles for Environmental Tracing. <i>Environmental Science & Technology</i> , 2021, 55, 6867-6875.	4.6	6
8	Suspension of Amorphous Calcium Phosphate Nanoparticles Impact Commitment of Human Adipose-Derived Stem Cells In Vitro. <i>Biology</i> , 2021, 10, 675.	1.3	1
9	Rapid Identification of SARS-CoV-2 Variants of Concern Using a Portable <i>peak</i> PCR Platform. <i>Analytical Chemistry</i> , 2021, 93, 16350-16359.	3.2	17
10	3D microtissue-derived human stem cells seeded on electrospun nanocomposites under shear stress: Modulation of gene expression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 102, 103481.	1.5	8
11	A DNA-of-things storage architecture to create materials with embedded memory. <i>Nature Biotechnology</i> , 2020, 38, 39-43.	9.4	113
12	Reading and writing digital data in DNA. <i>Nature Protocols</i> , 2020, 15, 86-101.	5.5	81
13	DNA synthesis for true random number generation. <i>Nature Communications</i> , 2020, 11, 5869.	5.8	23
14	Low cost DNA data storage using photolithographic synthesis and advanced information reconstruction and error correction. <i>Nature Communications</i> , 2020, 11, 5345.	5.8	66
15	One-Step Photolithographic Surface Patterning of Nanometer-Thick Gold Surfaces by Using a Commercial DLP Projector and the Fabrication of a Microheater. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12048-12055.	1.8	3
16	Genomic Encryption of Digital Data Stored in Synthetic DNA. <i>Angewandte Chemie</i> , 2020, 132, 8554-8558.	1.6	3
17	Genomic Encryption of Digital Data Stored in Synthetic DNA. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8476-8480.	7.2	13
18	Stabilizing synthetic DNA for long-term data storage with earth alkaline salts. <i>Chemical Communications</i> , 2020, 56, 3613-3616.	2.2	38

#	ARTICLE	IF	CITATIONS
19	Hybrid nanocomposite as a chest wall graft with improved integration by adipose-derived stem cells. <i>Scientific Reports</i> , 2019, 9, 10910.	1.6	6
20	YestroSens, a field-portable <i>S. cerevisiae</i> biosensor device for the detection of endocrine-disrupting chemicals: Reliability and stability. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111710.	5.3	12
21	DNA Barcode Quantification As a Robust Tool for Measuring Mixing Ratios in Two-Component Systems. <i>ACS Applied Bio Materials</i> , 2019, 2, 5062-5068.	2.3	0
22	Small-Size Polymerase Chain Reaction Device with Improved Heat Transfer and Combined Feedforward/Feedback Control Strategy. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 9665-9674.	1.8	9
23	Strategies of Immobilizing Cells in Whole-cell Microbial Biosensor Devices Targeted for Analytical Field Applications. <i>Analytical Sciences</i> , 2019, 35, 839-847.	0.8	10
24	Continuous Production of a Shelf-Stable Living Material as a Biosensor Platform. <i>Advanced Materials Technologies</i> , 2019, 4, 1900266.	3.0	10
25	Combining Data Longevity with High Storage Capacity—Layer-by-Layer DNA Encapsulated in Magnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1901672.	7.8	65
26	Safe One-Pot Synthesis of Fluorescent Carbon Quantum Dots from Lemon Juice for a Hands-On Experience of Nanotechnology. <i>Journal of Chemical Education</i> , 2019, 96, 540-545.	1.1	36
27	Modification of silicone elastomers with Bioglass 45S5® increases in ovo tissue biointegration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1180-1188.	1.6	8
28	The light triggered dissolution of gold wires using potassium ferrocyanide solutions enables cumulative illumination sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 52-59.	4.0	14
29	Cartilage/bone interface fabricated under perfusion: Spatially organized commitment of adipose-derived stem cells without medium supplementation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1833-1843.	1.6	11
30	Long-Term Performance of a Pneumatically Actuated Soft Pump Manufactured by Rubber Compression Molding. <i>Soft Robotics</i> , 2019, 6, 206-213.	4.6	9
31	Length-dependent DNA degradation kinetic model: Decay compensation in DNA tracer concentration measurements. <i>AIChE Journal</i> , 2019, 65, 40-48.	1.8	23
32	Nondestructive in-line sub-picomolar detection of magnetic nanoparticles in flowing complex fluids. <i>Scientific Reports</i> , 2018, 8, 3491.	1.6	25
33	Thermoresponsive Microspheres as Smart Pore Plugs: Self-Venting Clothing Membranes for Smart Outdoor Textiles. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700562.	1.7	7
34	Cyclic uniaxial compression of human stem cells seeded on a bone biomimetic nanocomposite decreases anti-osteogenic commitment evoked by shear stress. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 83, 84-93.	1.5	10
35	Water dispersible surface-functionalized platinum/carbon nanorattles for size-selective catalysis. <i>Chemical Science</i> , 2018, 9, 362-367.	3.7	12
36	Porous Polymer Membranes by Hard Templating – A Review. <i>Advanced Engineering Materials</i> , 2018, 20, 1700611.	1.6	35

#	ARTICLE	IF	CITATIONS
37	Selective Low-Energy Carbon Dioxide Adsorption Using Monodisperse Nitrogen-Rich Hollow Carbon Submicron Spheres. <i>Langmuir</i> , 2018, 34, 30-35.	1.6	19
38	Silica-Encapsulated DNA-Based Tracers for Aquifer Characterization. <i>Environmental Science & Technology</i> , 2018, 52, 12142-12152.	4.6	50
39	Hydrogen as a Bio-Orthogonal Trigger for Spatiotemporally Controlled Caged Prodrug Activation. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800134.	1.0	0
40	Tomographic Reservoir Imaging with DNA-Labeled Silica Nanotracers: The First Field Validation. <i>Environmental Science & Technology</i> , 2018, 52, 13681-13689.	4.6	35
41	Direct synthesis of carbon quantum dots in aqueous polymer solution: one-pot reaction and preparation of transparent UV-blocking films. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5187-5194.	5.2	111
42	Facile and Efficient Removal of Tungsten Anions Using Lysine-Promoted Precipitation for Recycling High-Purity Tungsten. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3141-3147.	3.2	16
43	Stabilization of 2D Water Films in Porous Triple-Layer Membranes with a Hydrophilic Core: Cooling Textiles and Passive Evaporative Room Climate Control. <i>Advanced Engineering Materials</i> , 2017, 19, 1700134.	1.6	9
44	Protein Reduction and Dialysis-Free Work-Up through Phosphines Immobilized on a Magnetic Support: TCEP-Functionalized Carbon-Coated Cobalt Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 8585-8589.	1.7	7
45	Efficient Recycling of Poly(lactic acid) Nanoparticle Templates for the Synthesis of Hollow Silica Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4941-4947.	3.2	18
46	Bioactive glass containing silicone composites for left ventricular assist device drivelines: role of Bioglass 45S5® particle size on mechanical properties and cytocompatibility. <i>Journal of Materials Science</i> , 2017, 52, 9023-9038.	1.7	18
47	Rapid Production of a Porous Cellulose Acetate Membrane for Water Filtration using Readily Available Chemicals. <i>Journal of Chemical Education</i> , 2017, 94, 483-487.	1.1	29
48	Highly elastomeric poly(3-hydroxyoctanoate) based natural polymer composite for enhanced keratinocyte regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 326-335.	1.8	22
49	Effects of seeding adipose-derived stem cells on electrospun nanocomposite used as chest wall graft in a murine model. <i>Injury</i> , 2017, 48, 2080-2088.	0.7	7
50	A Soft Total Artificial Heart—First Concept Evaluation on a Hybrid Mock Circulation. <i>Artificial Organs</i> , 2017, 41, 948-958.	1.0	67
51	Ultrapure Green Light-Emitting Diodes Using Two-Dimensional Formamidinium Perovskites: Achieving Recommendation 2020 Color Coordinates. <i>Nano Letters</i> , 2017, 17, 5277-5284.	4.5	221
52	The dissipation rate of news in online mass media evaluated by chemical engineering and process control tools. <i>AIChE Journal</i> , 2016, 62, 1104-1111.	1.8	1
53	Submicrometer-Sized Thermometer Particles Exploiting Selective Nucleic Acid Stability. <i>Small</i> , 2016, 12, 452-456.	5.2	20
54	DNA-Based Sensor Particles Enable Measuring Light Intensity in Single Cells. <i>Advanced Materials</i> , 2016, 28, 2765-2770.	11.1	4

#	ARTICLE	IF	CITATIONS
55	Incorporation of particulate bioactive glasses into a dental root canal sealer. <i>Biomedical Glasses</i> , 2016, 2, .	2.4	17
56	Kohlenstoffâ€NanoblÃschen: Synthese, chemische Funktionalisierung und containerartiges Verhalten in Wasser. <i>Angewandte Chemie</i> , 2016, 128, 8905-8909.	1.6	3
57	Hollow Carbon Nanobubbles: Synthesis, Chemical Functionalization, and Containerâ€™type Behavior in Water. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8761-8765.	7.2	22
58	Selective Biosorption and Recovery of Tungsten from an Urban Mine and Feasibility Evaluation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2903-2910.	1.8	27
59	Nanoscale bioactive glass activates osteoclastic differentiation of RAW 264.7 cells. <i>Nanomedicine</i> , 2016, 11, 1093-1105.	1.7	15
60	Application of the <i>Prunus</i> spp. Cyanide Seed Defense System onto Wheat: Reduced Insect Feeding and Field Growth Tests. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3501-3507.	2.4	9
61	MOF Channels within Porous Polymer Film: Flexible, Self-Supporting ZIF-8 Poly(ether sulfone) Composite Membrane. <i>Chemistry of Materials</i> , 2016, 28, 7638-7644.	3.2	63
62	A Bioinspired Ultraporous Nanofiberâ€™Hydrogel Mimic of the Cartilage Extracellular Matrix. <i>Advanced Healthcare Materials</i> , 2016, 5, 3129-3138.	3.9	54
63	Hollow Silica as an Optically Transparent and Thermally Insulating Polymer Additive. <i>Langmuir</i> , 2016, 32, 338-345.	1.6	49
64	Ultrasensitive Quantification of Pesticide Contamination and Drift Using Silica Particles with Encapsulated DNA. <i>Environmental Science and Technology Letters</i> , 2016, 3, 19-23.	3.9	18
65	<i>In vivo</i> risk evaluation of carbon-coated iron carbide nanoparticles based on short- and long-term exposure scenarios. <i>Nanomedicine</i> , 2016, 11, 783-796.	1.7	17
66	Particles with an identity: Tracking and tracing in commodity products. <i>Powder Technology</i> , 2016, 291, 344-350.	2.1	52
67	Click and release: fluoride cleavable linker for mild bioorthogonal separation. <i>Chemical Communications</i> , 2016, 52, 938-941.	2.2	13
68	RNA Storage: Silica Microcapsules for Longâ€™Term, Robust, and Reliable Room Temperature RNA Preservation (<i>Adv. Healthcare Mater.</i> 9/2015). <i>Advanced Healthcare Materials</i> , 2015, 4, 1262-1262.	3.9	1
69	Stable Ferromagnetic Nanoparticle Dispersions in Aqueous Solutions. <i>Chimia</i> , 2015, 69, 369-369.	0.3	1
70	Robuste chemische Speicherung von digitalen Informationen auf DNA in Silicat unter Verwendung fehlerkorrigierender Codes. <i>Angewandte Chemie</i> , 2015, 127, 2582-2586.	1.6	13
71	Contrast Agent Incorporation into Silicone Enables Realâ€™Time Flowâ€™Structure Analysis of Mammalian Veinâ€™Inspired Soft Pumps. <i>Advanced Functional Materials</i> , 2015, 25, 2129-2137.	7.8	12
72	Fibers Mechanically Similar to Sheep Wool Obtained by Wet Spinning of Gelatin and Optional Plasticizers. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 234-241.	1.7	12

#	ARTICLE	IF	CITATIONS
73	Magnetically deliverable calcium phosphate nanoparticles for localized gene expression. RSC Advances, 2015, 5, 9997-10004.	1.7	10
74	Robust Chemical Preservation of Digital Information on DNA in Silica with Error-Correcting Codes. Angewandte Chemie - International Edition, 2015, 54, 2552-2555.	7.2	458
75	Adsorption and separation of amyloid beta aggregates using ferromagnetic nanoparticles coated with charged polymer brushes. Journal of Materials Chemistry B, 2015, 3, 3351-3357.	2.9	7
76	Programmable living material containing reporter micro-organisms permits quantitative detection of oligosaccharides. Biomaterials, 2015, 61, 1-9.	5.7	15
77	Porous, Water-Resistant Multifilament Yarn Spun from Gelatin. Biomacromolecules, 2015, 16, 1997-2005.	2.6	15
78	Tissue mechanics of piled critical size biomimetic and biomineralizable nanocomposites: Formation of bioreactor-induced stem cell gradients under perfusion and compression. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 47, 124-134.	1.5	16
79	Silica Microcapsules for Long-Term, Robust, and Reliable Room Temperature RNA Preservation. Advanced Healthcare Materials, 2015, 4, 1332-1338.	3.9	17
80	Uptake of ferromagnetic carbon-encapsulated metal nanoparticles in endothelial cells: influence of shear stress and endothelial activation. Nanomedicine, 2015, 10, 3537-3546.	1.7	6
81	An Untethered, Jumping Poly-Poly Soft Robot Driven by Combustion. Soft Robotics, 2015, 2, 33-41.	4.6	87
82	Template-Particle Stabilized Bicontinuous Emulsion Yielding Controlled Assembly of Hierarchical High-Flux Filtration Membranes. ACS Applied Materials & Interfaces, 2015, 7, 611-617.	4.0	22
83	Gas-phase synthesis of magnetic metal/polymer nanocomposites. Nanotechnology, 2014, 25, 505602.	1.3	16
84	Tracking Trace Amounts of Submicrometer Silica Particles in Wastewaters and Activated Sludge Using Silica-Encapsulated DNA Barcodes. Environmental Science and Technology Letters, 2014, 1, 484-489.	3.9	31
85	Spinning Angora Rabbit Wool-Like Porous Fibers from a Non-Equilibrated Gelatin/Water/2-Propanol Mixture. Advanced Functional Materials, 2014, 24, 1831-1839.	7.8	10
86	Bioactive nanocomposite for chest-wall replacement: Cellular response in a murine model. Journal of Biomaterials Applications, 2014, 29, 36-45.	1.2	11
87	Limestone nanoparticles as nanopore templates in polymer membranes: narrow pore size distribution and use as self-wetting dialysis membranes. RSC Advances, 2014, 4, 61420-61426.	1.7	16
88	Palladium Nanoparticles Supported on Magnetic Carbon-Coated Cobalt Nanobeads: Highly Active and Recyclable Catalysts for Alkene Hydrogenation. Advanced Functional Materials, 2014, 24, 2020-2027.	7.8	102
89	Proliferation of ASC-derived endothelial cells in a 3D electrospun mesh: Impact of bone-biomimetic nanocomposite and co-culture with ASC-derived osteoblasts. Injury, 2014, 45, 974-980.	0.7	32
90	Magnetically Recoverable, Thermostable, Hydrophobic DNA/Silica Encapsulates and Their Application as Invisible Oil Tags. ACS Nano, 2014, 8, 2677-2685.	7.3	104

#	ARTICLE	IF	CITATIONS
91	Self-defending anti-vandalism surfaces based on mechanically triggered mixing of reactants in polymer foils. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8425-8430.	5.2	4
92	Palladium nanoparticles supported on ionic liquid modified, magnetic nanobeads “recyclable, high-capacity catalysts for alkene hydrogenation. <i>RSC Advances</i> , 2014, 4, 8541.	1.7	49
93	Roll-to-Roll Preparation of Mesoporous Membranes by Nanoparticle Template Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 9214-9220.	1.8	24
94	Magnetic Superbasic Proton Sponges Are Readily Removed and Permit Direct Product Isolation. <i>Journal of Organic Chemistry</i> , 2014, 79, 10908-10915.	1.7	21
95	Inflammatory Response of Lung Macrophages and Epithelial Cells after Exposure to Redox Active Nanoparticles: Effect of Solubility and Antioxidant Treatment. <i>Environmental Science & Technology</i> , 2014, 48, 13960-13968.	4.6	23
96	Induced cyanogenesis from hydroxynitrile lyase and mandelonitrile on wheat with polylactic acid multilayer-coating produces self-defending seeds. <i>Journal of Materials Chemistry A</i> , 2014, 2, 853-858.	5.2	5
97	PCR quantification of SiO ₂ particle uptake in cells in the ppb and ppm range via silica encapsulated DNA barcodes. <i>Chemical Communications</i> , 2014, 50, 10707-10709.	2.2	7
98	Labeling Milk along Its Production Chain with DNA Encapsulated in Silica. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10615-10620.	2.4	28
99	3D printed lost-wax casted soft silicone monoblocks enable heart-inspired pumping by internal combustion. <i>RSC Advances</i> , 2014, 4, 16039-16042.	1.7	43
100	Characterization of carbon-coated magnetic nanoparticles using clinical blood coagulation assays: effect of PEG-functionalization and comparison to silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3753-3758.	2.9	18
101	Design, Performance and Reinforcement of Bearing-Free Soft Silicone Combustion-Driven Pumps. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12519-12526.	1.8	25
102	Efficient Magnetic Recycling of Covalently Attached Enzymes on Carbon-Coated Metallic Nanomagnets. <i>Bioconjugate Chemistry</i> , 2014, 25, 677-684.	1.8	34
103	Micro Mirror Polymer Composite Offers Mechanically Switchable Light Transmittance. <i>Advanced Engineering Materials</i> , 2014, 16, 878-883.	1.6	5
104	Functionalizing a dentin bonding resin to become bioactive. <i>Dental Materials</i> , 2014, 30, 868-875.	1.6	69
105	Comparison of flame-made rhodium on Al ₂ O ₃ or Ce _{0.5} Zr _{0.5} O ₂ supports for the partial oxidation of methane. <i>Applied Catalysis A: General</i> , 2014, 469, 275-283.	2.2	12
106	Purification of NaYF ₄ -Based Upconversion Phosphors. <i>Chemistry of Materials</i> , 2014, 26, 2015-2020.	3.2	18
107	Sensitive Detection of Aromatic Hydrophobic Compounds in Water and Perfluorooctane Sulfonate in Human Serum by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS) with Amine Functionalized Graphene-Coated Cobalt Nanoparticles. <i>Mass Spectrometry</i> , 2014, 3, A0028-A0028.	0.2	2
108	Ferromagnetic Inks Facilitate Large Scale Paper Recycling and Reduce Bleach Chemical Consumption. <i>Langmuir</i> , 2013, 29, 5093-5098.	1.6	6

#	ARTICLE	IF	CITATIONS
109	Soft Iron/Silicon Composite Tubes for Magnetic Peristaltic Pumping: Frequency-Dependent Pressure and Volume Flow. <i>Advanced Functional Materials</i> , 2013, 23, 3845-3849.	7.8	69
110	Nanomagnet-based removal of lead and digoxin from living rats. <i>Nanoscale</i> , 2013, 5, 8718.	2.8	42
111	Organic Synthesis on Graphene. <i>Accounts of Chemical Research</i> , 2013, 46, 2297-2306.	7.6	68
112	pH-dependent antibacterial effects on oral microorganisms through pure PLGA implants and composites with nanosized bioactive glass. <i>Acta Biomaterialia</i> , 2013, 9, 9118-9125.	4.1	32
113	Quantitative Recovery of Magnetic Nanoparticles from Flowing Blood: Trace Analysis and the Role of Magnetization. <i>Advanced Functional Materials</i> , 2013, 23, 4888-4896.	7.8	23
114	Nanoparticles: Endotoxin Removal by Magnetic Separation-Based Blood Purification (Adv. Healthcare) Tj ETQq0 0,0 rgBT /Oyerlock 10	3.9	46
115	Endotoxin Removal by Magnetic Separation-Based Blood Purification. <i>Advanced Healthcare Materials</i> , 2013, 2, 829-835.	3.9	46
116	Synthesis of Trisubstituted Ureas by a Multistep Sequence Utilizing Recyclable Magnetic Reagents and Scavengers. <i>Chemistry - A European Journal</i> , 2013, 19, 10038-10045.	1.7	16
117	Rapid Surface-Biostructure Interaction Analysis Using Strong Metal-Based Nanomagnets. <i>Langmuir</i> , 2013, 29, 14117-14123.	1.6	2
118	Heat-Induced Dry Tailoring of Porosity in Polymer Scaffolds. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1143-1148.	1.7	2
119	Flame Synthesis of Complex Fluoride-Based Nanoparticles as Upconversion Phosphors. <i>KONA Powder and Particle Journal</i> , 2013, 30, 267-275.	0.9	6
120	Pressureless Mechanical Induction of Stem Cell Differentiation Is Dose and Frequency Dependent. <i>PLoS ONE</i> , 2013, 8, e81362.	1.1	26
121	Carbon coated magnetic nanoparticles as supports in microwave-assisted palladium catalyzed Suzuki-Miyaura couplings. <i>Green Processing and Synthesis</i> , 2012, 1, .	1.3	2
122	Incorporating microorganisms into polymer layers provides bioinspired functional living materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 90-94.	3.3	37
123	Nanocomposites of high-density polyethylene with amorphous calcium phosphate: <i>in vitro</i> biomineralization and cytocompatibility of human mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 054103.	1.7	7
124	Functionalized Graphene-Coated Cobalt Nanoparticles for Highly Efficient Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2012, 84, 9268-9275.	3.2	56
125	Tissue engineered bone grafts based on biomimetic nanocomposite PLGA/amorphous calcium phosphate scaffold and human adipose-derived stem cells. <i>Injury</i> , 2012, 43, 1689-1697.	0.7	80
126	Incorporation of Penicillin-Producing Fungi into Living Materials to Provide Chemically Active and Antibiotic-Releasing Surfaces. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11293-11296.	7.2	34

#	ARTICLE	IF	CITATIONS
127	Electrical Resistivity of Assembled Transparent Inorganic Oxide Nanoparticle Thin Layers: Influence of Silica, Insulating Impurities, and Surfactant Layer Thickness. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2664-2671.	4.0	15
128	Stable dispersions of ferromagnetic carbon-coated metal nanoparticles: preparation via surface initiated atom transfer radical polymerization. <i>Journal of Materials Chemistry</i> , 2012, 22, 12064.	6.7	40
129	Nanoparticle-Assisted, Catalytic Etching of Carbon Surfaces as a Method to Manufacture Nanogrooves. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13693-13698.	1.5	8
130	Persistence of engineered nanoparticles in a municipal solid-waste incineration plant. <i>Nature Nanotechnology</i> , 2012, 7, 520-524.	15.6	186
131	Scaling up magnetic filtration and extraction to the ton per hour scale using carbon coated metal nanoparticles. <i>Separation and Purification Technology</i> , 2012, 96, 68-74.	3.9	23
132	Large-Scale Synthesis of PbS@TiO ₂ Heterojunction Nanoparticles in a Single Step for Solar Cell Application. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16264-16270.	1.5	49
133	Physical Defect Formation in Few Layer Graphene-like Carbon on Metals: Influence of Temperature, Acidity, and Chemical Functionalization. <i>Langmuir</i> , 2012, 28, 4565-4572.	1.6	13
134	Effects of flame made zinc oxide particles in human lung cells - a comparison of aerosol and suspension exposures. <i>Particle and Fibre Toxicology</i> , 2012, 9, 33.	2.8	45
135	Phosphate starvation as an antimicrobial strategy: the controllable toxicity of lanthanum oxide nanoparticles. <i>Chemical Communications</i> , 2012, 48, 3869.	2.2	58
136	Carbon Modifications and Surfaces for Catalytic Organic Transformations. <i>ACS Catalysis</i> , 2012, 2, 1267-1284.	5.5	170
137	Magnetic Nanobeads as Support for Zinc(II)-Cyclen Complexes: Selective and Reversible Extraction of Riboflavin. <i>ChemistryOpen</i> , 2012, 1, 125-129.	0.9	11
138	Chemical modification of graphene characterized by Raman and transport experiments. <i>Nanoscale</i> , 2012, 4, 3781.	2.8	15
139	Porous polysulfone coatings for enhanced drug delivery. <i>Biomedical Microdevices</i> , 2012, 14, 603-612.	1.4	25
140	Use of NIR light and upconversion phosphors in light-curable polymers. <i>Dental Materials</i> , 2012, 28, 304-311.	1.6	76
141	Soluble nanoparticles as removable pore templates for the preparation of polymer ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2012, 387-388, 76-82.	4.1	36
142	Magnetothermally responsive C/Co@PNIPAM-nanoparticles enable preparation of self-separating phase-switching palladium catalysts. <i>Journal of Materials Chemistry</i> , 2011, 21, 2991.	6.7	76
143	A fast hybrid start-up process for thermally self-sustained catalytic n-butane reforming in micro-SOFC power plants. <i>Energy and Environmental Science</i> , 2011, 4, 3041.	15.6	21
144	Monomer-on-Monomer (MoM) Mitsunobu Reaction: Facile Purification Utilizing Surface-Initiated Sequestration. <i>Organic Letters</i> , 2011, 13, 8-10.	2.4	23

#	ARTICLE	IF	CITATIONS
145	Immobilized β -Cyclodextrin on Surface-Modified Carbon-Coated Cobalt Nanomagnets: Reversible Organic Contaminant Adsorption and Enrichment from Water. <i>Langmuir</i> , 2011, 27, 1924-1929.	1.6	70
146	Two-layer membranes of calcium phosphate/collagen/PLGA nanofibres: in vitro biomineralisation and osteogenic differentiation of human mesenchymal stem cells. <i>Nanoscale</i> , 2011, 3, 401-409.	2.8	61
147	Cerium oxide nanoparticle uptake kinetics from the gas-phase into lung cells in vitro is transport limited. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 368-375.	2.0	34
148	Combined Covalent and Noncovalent Functionalization of Nanomagnetic Carbon Surfaces with Dendrimers and BODIPY Fluorescent Dye. <i>Chemistry of Materials</i> , 2011, 23, 3606-3613.	3.2	39
149	From Embedded to Supported Metal/Oxide Nanomaterials: Thermal Behavior and Structural Evolution at Elevated Temperatures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1269-1276.	1.5	13
150	Reactivity of calcium phosphate nanoparticles prepared by flame spray synthesis as precursors for calcium phosphate cements. <i>Journal of Materials Chemistry</i> , 2011, 21, 13963.	6.7	26
151	Optimization of Bioglass [®] Scaffold Fabrication Process. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4184-4190.	1.9	34
152	Accelerated mineralization of dense collagen-nano bioactive glass hybrid gels increases scaffold stiffness and regulates osteoblastic function. <i>Biomaterials</i> , 2011, 32, 8915-8926.	5.7	176
153	Reversible As(V) adsorption on magnetic nanoparticles and pH dependent desorption concentrates dilute solutions and realizes true moving bed reactor systems. <i>Chemical Engineering Journal</i> , 2011, 175, 244-250.	6.6	16
154	Iron core/shell nanoparticles as magnetic drug carriers: possible interactions with the vascular compartment. <i>Nanomedicine</i> , 2011, 6, 1199-1213.	1.7	23
155	Incorporation of reactive silver-tricalcium phosphate nanoparticles into polyamide 6 allows preparation of self-disinfecting fibers. <i>Polymer Engineering and Science</i> , 2011, 51, 71-77.	1.5	14
156	Nanoparticles in Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1242-1258.	7.2	457
157	Magnetic Silyl Scaffold Enables Efficient Recycling of Protecting Groups. <i>Chemistry - A European Journal</i> , 2011, 17, 10566-10573.	1.7	30
158	Fluorinated Groups Mediate the Immunomodulatory Effects of Volatile Anesthetics in Acute Cell Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 617-624.	1.4	32
159	Device for continuous extracorporeal blood purification using target-specific metal nanomagnets. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 2948-2954.	0.4	42
160	Biocompatibility and Bone Formation of Flexible, Cotton Wool-like PLGA/Calcium Phosphate Nanocomposites in Sheep. <i>The Open Orthopaedics Journal</i> , 2011, 5, 63-71.	0.1	42
161	Polymer/bioactive glass nanocomposites for biomedical applications: A review. <i>Composites Science and Technology</i> , 2010, 70, 1764-1776.	3.8	451
162	Immobilization on a Nanomagnetic Co/C Surface Using ROM Polymerization: Generation of a Hybrid Material as Support for a Recyclable Palladium Catalyst. <i>Advanced Functional Materials</i> , 2010, 20, 4323-4328.	7.8	111

#	ARTICLE	IF	CITATIONS
163	Nanoparticles as Semi-Heterogeneous Catalyst Supports. <i>Chemistry - A European Journal</i> , 2010, 16, 8950-8967.	1.7	341
164	A Recyclable Nanoparticle-Supported Palladium Catalyst for the Hydroxycarbonylation of Aryl Halides in Water. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1867-1870.	7.2	209
165	Light-curable polymer/calcium phosphate nanocomposite glue for bone defect treatment. <i>Acta Biomaterialia</i> , 2010, 6, 2704-2710.	4.1	28
166	Poly(3-hydroxybutyrate) multifunctional composite scaffolds for tissue engineering applications. <i>Biomaterials</i> , 2010, 31, 2806-2815.	5.7	149
167	Blood Purification Using Functionalized Core/Shell Nanomagnets. <i>Small</i> , 2010, 6, 1388-1392.	5.2	113
168	Selective Chemical Modification of Graphene Surfaces: Distinction Between Single- and Bilayer Graphene. <i>Small</i> , 2010, 6, 1125-1130.	5.2	176
169	Spherical calcium phosphate nanoparticle fillers allow polymer processing of bone fixation devices with high bioactivity. <i>Polymer Engineering and Science</i> , 2010, 50, 952-960.	1.5	21
170	Thermal Treatment of Flame-Synthesized Amorphous Tricalcium Phosphate Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3455-3463.	1.9	23
171	No Evidence for Cerium Dioxide Nanoparticle Translocation in Maize Plants. <i>Environmental Science & Technology</i> , 2010, 44, 8718-8723.	4.6	246
172	Energy-Efficient Noble Metal Recovery by the Use of Acid-Stable Nanomagnets. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9355-9362.	1.8	30
173	Cu(II)-Azabis(oxazoline) Complexes Immobilized on Magnetic Co/C Nanoparticles: Kinetic Resolution of 1,2-Diphenylethane-1,2-diol under Batch and Continuous-Flow Conditions. <i>Chemistry of Materials</i> , 2010, 22, 305-310.	3.2	97
174	Exposure of aerosols and nanoparticle dispersions to in vitro cell cultures: A review on the dose relevance of size, mass, surface and concentration. <i>Journal of Aerosol Science</i> , 2010, 41, 1123-1142.	1.8	52
175	Nanoparticle cytotoxicity depends on intracellular solubility: Comparison of stabilized copper metal and degradable copper oxide nanoparticles. <i>Toxicology Letters</i> , 2010, 197, 169-174.	0.4	350
176	Effect of nanoparticulate bioactive glass particles on bioactivity and cytocompatibility of poly(3-hydroxybutyrate) composites. <i>Journal of the Royal Society Interface</i> , 2010, 7, 453-465.	1.5	134
177	Bottom-up Fabrication of Metal/Metal Nanocomposites from Nanoparticles of Immiscible Metals. <i>Chemistry of Materials</i> , 2010, 22, 155-160.	3.2	93
178	Printable Nanoporous Silver Membranes. <i>Chemistry of Materials</i> , 2010, 22, 4980-4986.	3.2	28
179	Towards electron transport measurements in chemically modified graphene: effect of a solvent. <i>New Journal of Physics</i> , 2010, 12, 125007.	1.2	13
180	Chemical Aerosol Engineering as a Novel Tool for Material Science: From Oxides to Salt and Metal Nanoparticles. <i>Aerosol Science and Technology</i> , 2010, 44, 161-172.	1.5	92

#	ARTICLE	IF	CITATIONS
181	Elastomeric nanocomposites as cell delivery vehicles and cardiac support devices. <i>Soft Matter</i> , 2010, 6, 4715.	1.2	65
182	Permanent Pattern-Resolved Adjustment of the Surface Potential of Graphene-Like Carbon through Chemical Functionalization. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 224-227.	7.2	92
183	Tricalcium phosphate nanoparticles enable rapid purification, increase transduction kinetics, and modify the tropism of mammalian viruses. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1197-1208.	1.7	11
184	Comparative assessment of time-related bioactive glass and calcium hydroxide effects on mechanical properties of human root dentin. <i>Dental Traumatology</i> , 2009, 25, 126-129.	0.8	37
185	Magnet-guided transduction of mammalian cells and mice using engineered magnetic lentiviral particles. <i>Journal of Biotechnology</i> , 2009, 141, 118-122.	1.9	23
186	In vivo and in vitro evaluation of flexible, cottonwool-like nanocomposites as bone substitute material for complex defects. <i>Acta Biomaterialia</i> , 2009, 5, 1775-1784.	4.1	115
187	Particle Emission and Exposure during Nanoparticle Synthesis in Research Laboratories. <i>Annals of Occupational Hygiene</i> , 2009, 53, 829-38.	1.9	41
188	Direct Combination of Nanoparticle Fabrication and Exposure to Lung Cell Cultures in a Closed Setup as a Method To Simulate Accidental Nanoparticle Exposure of Humans. <i>Environmental Science & Technology</i> , 2009, 43, 2634-2640.	4.6	67
189	Synthesis and Covalent Surface Functionalization of Nonoxidic Iron Core-Shell Nanomagnets. <i>Chemistry of Materials</i> , 2009, 21, 3275-3281.	3.2	132
190	Magnetic EDTA: coupling heavy metal chelators to metal nanomagnets for rapid removal of cadmium, lead and copper from contaminated water. <i>Chemical Communications</i> , 2009, , 4862.	2.2	145
191	Scaling the Long-Term Shear Stability of Aqueous Pigment Dispersions. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8944-8949.	1.8	2
192	High-strength metal nanomagnets for diagnostics and medicine: carbon shells allow long-term stability and reliable linker chemistry. <i>Nanomedicine</i> , 2009, 4, 787-798.	1.7	54
193	Gold adsorption on the carbon surface of C/Co nanoparticles allows magnetic extraction from extremely diluted aqueous solutions. <i>Journal of Materials Chemistry</i> , 2009, 19, 8239.	6.7	57
194	Physico-Chemical Differences Between Particle- and Molecule-Derived Toxicity: Can We Make Inherently Safe Nanoparticles?. <i>Chimia</i> , 2009, 63, 38.	0.3	38
195	Fast and exergy efficient start-up of micro-solid oxide fuel cell systems by using the reformer or the post-combustor for start-up heating. <i>Journal of Power Sources</i> , 2008, 182, 558-564.	4.0	15
196	Disk-shaped packed bed micro-reactor for butane-to-syngas processing. <i>Chemical Engineering Science</i> , 2008, 63, 5193-5201.	1.9	26
197	Micro-organism-triggered Release of Silver Nanoparticles from Biodegradable Oxide Carriers Allows Preparation of Self-Sterilizing Polymer Surfaces. <i>Small</i> , 2008, 4, 824-832.	5.2	112
198	TEMPO Supported on Magnetic C/Co-Nanoparticles: A Highly Active and Recyclable Organocatalyst. <i>Chemistry - A European Journal</i> , 2008, 14, 8262-8266.	1.7	167

#	ARTICLE	IF	CITATIONS
199	Cotton wool-like nanocomposite biomaterials prepared by electrospinning: <i>in vitro</i> bioactivity and osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 350-362.	1.6	111
200	Surfactant-free, Melt-processable Metal-Polymer Hybrid Materials: Use of Graphene as a Dispersing Agent. <i>Advanced Materials</i> , 2008, 20, 3044-3049.	11.1	40
201	Comparison of nanoscale and microscale bioactive glass on the properties of P(3HB)/Bioglass® composites. <i>Biomaterials</i> , 2008, 29, 1750-1761.	5.7	305
202	Phase transitions in amorphous calcium phosphates with different Ca/P ratios. <i>Thermochimica Acta</i> , 2008, 468, 75-80.	1.2	65
203	Graphene-stabilized copper nanoparticles as an air-stable substitute for silver and gold in low-cost ink-jet printable electronics. <i>Nanotechnology</i> , 2008, 19, 445201.	1.3	253
204	Removal of Oxide Nanoparticles in a Model Wastewater Treatment Plant: Influence of Agglomeration and Surfactants on Clearing Efficiency. <i>Environmental Science & Technology</i> , 2008, 42, 5828-5833.	4.6	431
205	Effect of thermal treatments on the reactivity of nanosized tricalcium phosphate powders. <i>Journal of Materials Chemistry</i> , 2008, 18, 4460.	6.7	30
206	Flexible, silver containing nanocomposites for the repair of bone defects: antimicrobial effect against <i>E. coli</i> infection and comparison to tetracycline containing scaffolds. <i>Journal of Materials Chemistry</i> , 2008, 18, 2679.	6.7	69
207	Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets. <i>Chimia</i> , 2008, 62, 13-17.	0.3	4
208	Controlling the Reactivity of Calcium Phosphate Cements. <i>Key Engineering Materials</i> , 2007, 361-363, 295-298.	0.4	1
209	Preparation of Homogeneous, Bulk Nanocrystalline Ni/Mo Alloys with Tripled Vickers Hardness Using Flame-Made Metal Nanoparticles. <i>Chemistry of Materials</i> , 2007, 19, 4847-4854.	3.2	28
210	Large-scale preparation of ceria/bismuth metal-matrix nano-composites with a hardness comparable to steel. <i>Journal of Materials Chemistry</i> , 2007, 17, 1485.	6.7	16
211	Effect of particle size, crystal phase and crystallinity on the reactivity of tricalcium phosphate cements for bone reconstruction. <i>Journal of Materials Chemistry</i> , 2007, 17, 4072.	6.7	99
212	The degree and kind of agglomeration affect carbon nanotube cytotoxicity. <i>Toxicology Letters</i> , 2007, 168, 121-131.	0.4	732
213	Exposure of Engineered Nanoparticles to Human Lung Epithelial Cells: Influence of Chemical Composition and Catalytic Activity on Oxidative Stress. <i>Environmental Science & Technology</i> , 2007, 41, 4158-4163.	4.6	785
214	Highly Sensitive Optical Detection of Humidity on Polymer/Metal Nanoparticle Hybrid Films. <i>Langmuir</i> , 2007, 23, 3473-3477.	1.6	113
215	Inorganic nanoparticles for transfection of mammalian cells and removal of viruses from aqueous solutions. <i>Biotechnology and Bioengineering</i> , 2007, 98, 1083-1093.	1.7	31
216	Covalently Functionalized Cobalt Nanoparticles as a Platform for Magnetic Separations in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4909-4912.	7.2	301

#	ARTICLE	IF	CITATIONS
217	Comparison of amorphous TCP nanoparticles to micron-sized β -TCP as starting materials for calcium phosphate cements. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 83B, 400-407.	1.6	64
218	Remineralization of human dentin using ultrafine bioactive glass particles. <i>Acta Biomaterialia</i> , 2007, 3, 936-943.	4.1	276
219	Ultraporous 3D polymer meshes by low-temperature electrospinning: Use of ice crystals as a removable void template. <i>Polymer Engineering and Science</i> , 2007, 47, 2020-2026.	1.5	172
220	Syngas production from butane using a flame-made Rh/Ce _{0.5} Zr _{0.5} O ₂ catalyst. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 336-344.	10.8	41
221	Preparation of nano-gypsum from anhydrite nanoparticles: Strongly increased Vickers hardness and formation of calcium sulfate nano-needles. <i>Journal of Nanoparticle Research</i> , 2007, 9, 275-281.	0.8	32
222	Insulator coated metal nanoparticles with a core/shell geometry exhibit a temperature sensitivity similar to advanced spinels. <i>Sensors and Actuators A: Physical</i> , 2007, 138, 120-129.	2.0	20
223	Glass and bioglass nanopowders by flame synthesis. <i>Chemical Communications</i> , 2006, , 1384.	2.2	150
224	In Vitro Cytotoxicity of Oxide Nanoparticles: A Comparison to Asbestos, Silica, and the Effect of Particle Solubility. <i>Environmental Science & Technology</i> , 2006, 40, 4374-4381.	4.6	1,207
225	Improved degradation and bioactivity of amorphous aerosol derived tricalcium phosphate nanoparticles in poly(lactide-co-glycolide). <i>Nanotechnology</i> , 2006, 17, 2054-2061.	1.3	75
226	Gas phase synthesis of fcc-cobalt nanoparticles. <i>Journal of Materials Chemistry</i> , 2006, 16, 1825.	6.7	155
227	Rapid production of micropatterned surfaces using a fluid dynamical instability. <i>Polymer Engineering and Science</i> , 2006, 46, 1541-1547.	1.5	4
228	Energy Consumption During Nanoparticle Production: How Economic is Dry Synthesis?. <i>Journal of Nanoparticle Research</i> , 2006, 8, 1-9.	0.8	118
229	Flame spray synthesis under a non-oxidizing atmosphere: Preparation of metallic bismuth nanoparticles and nanocrystalline bulk bismuth metal. <i>Journal of Nanoparticle Research</i> , 2006, 8, 729-736.	0.8	46
230	Oxide Nanoparticle Uptake in Human Lung Fibroblasts: Effects of Particle Size, Agglomeration, and Diffusion at Low Concentrations. <i>Environmental Science & Technology</i> , 2005, 39, 9370-9376.	4.6	725
231	Flame synthesis of calcium-, strontium-, barium fluoride nanoparticles and sodium chloride. <i>Chemical Communications</i> , 2005, , 1767.	2.2	99
232	Flame synthesis of calcium carbonate nanoparticles. <i>Chemical Communications</i> , 2005, , 648.	2.2	56
233	Fluoro-apatite and Calcium Phosphate Nanoparticles by Flame Synthesis. <i>Chemistry of Materials</i> , 2005, 17, 36-42.	3.2	174
234	Flame-Made Pt/Ceria/Zirconia for Low-Temperature Oxygen Exchange. <i>Chemistry of Materials</i> , 2005, 17, 3352-3358.	3.2	72

#	ARTICLE	IF	CITATIONS
235	Flame synthesis of nanocrystalline ceria/zirconia: effect of carrier liquid. <i>Chemical Communications</i> , 2003, , 588-589.	2.2	122
236	Flame-made platinum/alumina: structural properties and catalytic behaviour in enantioselective hydrogenation. <i>Journal of Catalysis</i> , 2003, 213, 296-304.	3.1	153
237	Flame-made nanocrystalline ceria/zirconia: structural properties and dynamic oxygen exchange capacity. <i>Journal of Catalysis</i> , 2003, 220, 35-43.	3.1	91
238	Flame-made nanocrystalline ceria/zirconia doped with alumina or silica: structural properties and enhanced oxygen exchange capacity. <i>Journal of Materials Chemistry</i> , 2003, 13, 2979.	6.7	77
239	Heterogeneous Catalysis by Flame-Made Nanoparticles. <i>Chimia</i> , 2002, 56, 485-489.	0.3	29
240	Flame-Made Titania/Silica Epoxidation Catalysts: Toward Large-Scale Production. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 4921-4927.	1.8	15
241	Titania-silica doped with transition metals via flame synthesis: structural properties and catalytic behavior in epoxidation. <i>Journal of Materials Chemistry</i> , 2002, 12, 3620-3625.	6.7	26
242	Aerosol flame reactors for manufacture of nanoparticles. <i>Powder Technology</i> , 2002, 126, 103-108.	2.1	192
243	Flame Aerosol Synthesis of Vanadia-Titania Nanoparticles: Structural and Catalytic Properties in the Selective Catalytic Reduction of NO by NH ₃ . <i>Journal of Catalysis</i> , 2001, 197, 182-191.	3.1	155
244	Flame Made Titania/Silica Epoxidation Catalysts. <i>Journal of Catalysis</i> , 2001, 203, 516-524.	3.1	46
245	Phase Evolution of Thermally Treated Amorphous Tricalcium Phosphate Nanoparticles. <i>Key Engineering Materials</i> , 0, 396-398, 595-598.	0.4	11