Jinwoo Cheon

List of Publications by Year
in descending order

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146 papers	26,258 citations	11908 72 h-index	7427 157 g-index
165 all docs	165 docs citations	165 times ranked	33182 citing authors

#	Article	IF	Citations
1	Advances in Biosensor Technologies for Infection Diagnostics. Accounts of Chemical Research, 2022, 55, 121-122.	7.6	9
2	Binary-state scanning probe microscopy for parallel imaging. Nature Communications, 2022, 13, 1438.	5.8	4
3	From Pollutant to Chemical Feedstock: Valorizing Carbon Dioxide through Photo- and Electrochemical Processes. Accounts of Chemical Research, 2022, 55, 931-932.	7.6	13
4	Recyclable Transition Metal Catalysis using Bipyridineâ€Functionalized SBAâ€15â€‰by Coâ€condensation of Methallylsilane with TEOS. Chemistry - an Asian Journal, 2021, 16, 197-201.	1.7	4
5	Non-contact long-range magnetic stimulation of mechanosensitive ion channels in freely moving animals. Nature Materials, 2021, 20, 1029-1036.	13.3	94
6	Chemical Transformations of Anisotropic Platelets and Spherical Nanocrystals. Accounts of Chemical Research, 2021, 54, 1565-1574.	7.6	4
7	High-resolution T1 MRI via renally clearable dextran nanoparticles with an iron oxide shell. Nature Biomedical Engineering, 2021, 5, 252-263.	11.6	53
8	Magnetothermally Activated Nanometer-level Modular Functional Group Grafting of Nanoparticles. Nano Letters, 2021, 21, 3649-3656.	4.5	6
9	Fluorescence polarization system for rapid COVID-19 diagnosis. Biosensors and Bioelectronics, 2021, 178, 113049.	5.3	44
10	Why Do We Care about Studying Transformations in Inorganic Nanocrystals?. Accounts of Chemical Research, 2021, 54, 1543-1544.	7.6	13
11	Layered Aluminum for Electromagnetic Wave Absorber with Near-Zero Reflection. Nano Letters, 2021, 21, 1132-1140.	4.5	20
12	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. Science Translational Medicine, 2021, 13, eabe2352.	5.8	12
13	Development of Integrated Systems for On-Site Infection Detection. Accounts of Chemical Research, 2021, 54, 3991-4000.	7.6	10
14	Magnetic Effect of Dopants on Bright and Dark Excitons in Strongly Confined Mn-Doped CsPbI₃ Quantum Dots. Nano Letters, 2021, 21, 9543-9550.	4.5	12
15	Mechanoluminescent, Air-Dielectric MoS₂ Transistors as Active-Matrix Pressure Sensors for Wide Detection Ranges from Footsteps to Cellular Motions. Nano Letters, 2020, 20, 66-74.	4.5	80
16	Fabrication and Imaging of Monolayer Phosphorene with Preferred Edge Configurations via Graphene-Assisted Layer-by-Layer Thinning. Nano Letters, 2020, 20, 559-566.	4.5	22
17	Chemistry in Korea: IBS and Beyond. Accounts of Chemical Research, 2020, 53, 2033-2033.	7.6	0
18	Chemistry in Korea: IBS and Beyond. Journal of the American Chemical Society, 2020, 142, 20511-20511.	6.6	0

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19	Size-dependent dark exciton properties in cesium lead halide perovskite quantum dots. Journal of Chemical Physics, 2020, 153, 184703.	1.2	28
20	Fast detection of SARS-CoV-2 RNA via the integration of plasmonic thermocycling and fluorescence detection in a portable device. Nature Biomedical Engineering, 2020, 4, 1159-1167.	11.6	159
21	Intense Dark Exciton Emission from Strongly Quantum-Confined CsPbBr₃ Nanocrystals. Nano Letters, 2020, 20, 7321-7326.	4.5	53
22	New Opportunities in Cancer Immunotherapy and Theranostics. Accounts of Chemical Research, 2020, 53, 2763-2764.	7.6	14
23	TEM Imaging of Edges and Point Defects in Monolayer Phosphorene. Microscopy and Microanalysis, 2020, 26, 2348-2350.	0.2	1
24	Morphology-Conserving Non-Kirkendall Anion Exchange of Metal Oxide Nanocrystals. Journal of the American Chemical Society, 2020, 142, 9130-9134.	6.6	25
25	Smart, soft contact lens for wireless immunosensing of cortisol. Science Advances, 2020, 6, eabb2891.	4.7	154
26	Near-field sub-diffraction photolithography with an elastomeric photomask. Nature Communications, 2020, 11, 805.	5.8	36
27	Nanoscale Heat Transfer from Magnetic Nanoparticles and Ferritin in an Alternating Magnetic Field. Biophysical Journal, 2020, 118, 1502-1510.	0.2	37
28	Magnetic Control of Axon Navigation in Reprogrammed Neurons. Nano Letters, 2019, 19, 6517-6523.	4.5	22
29	The Future of Nanotechnology: Cross-disciplined Progress to Improve Health and Medicine. Accounts of Chemical Research, 2019, 52, 2405-2405.	7.6	21
30	Small, Clickable, and Monovalent Magnetofluorescent Nanoparticles Enable Mechanogenetic Regulation of Receptors in a Crowded Live-Cell Microenvironment. Nano Letters, 2019, 19, 3761-3769.	4.5	14
31	Megahertz-wave-transmitting conducting polymer electrode for device-to-device integration. Nature Communications, 2019, 10, 653.	5.8	15
32	Design of Magnetically Labeled Cells (Mag-Cells) for in Vivo Control of Stem Cell Migration and Differentiation. Nano Letters, 2018, 18, 838-845.	4.5	43
33	Magnetic Nanotweezers for Interrogating Biological Processes in Space and Time. Accounts of Chemical Research, 2018, 51, 839-849.	7.6	41
34	Activation of the Basal Plane in Two Dimensional Transition Metal Chalcogenide Nanostructures. Journal of the American Chemical Society, 2018, 140, 13663-13671.	6.6	38
35	A magnetic resonance tuning sensor for the MRI detection of biological targets. Nature Protocols, 2018, 13, 2664-2684.	5.5	30
36	An intravenous wire captures rare tumour cells. Nature Biomedical Engineering, 2018, 2, 635-636.	11.6	0

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37	Creating Functional Interfaces with Biological Circuits. Accounts of Chemical Research, 2018, 51, 987-987.	7.6	5
38	Recent Advances in the Solution-Based Preparation of Two-Dimensional Layered Transition Metal Chalcogenide Nanostructures. Chemical Reviews, 2018, 118, 6151-6188.	23.0	162
39	Distance-dependent magnetic resonance tuning as a versatile MRI sensing platform for biologicalÂtargets. Nature Materials, 2017, 16, 537-542.	13.3	125
40	Recent advances of magneto-thermal capabilities of nanoparticles: From design principles to biomedical applications. Nano Today, 2017, 13, 61-76.	6.2	161
41	Synergism of Nanomaterials with Physical Stimuli for Biology and Medicine. Accounts of Chemical Research, 2017, 50, 567-572.	7.6	62
42	Ultrathin Interface Regime of Coreâ€“Shell Magnetic Nanoparticles for Effective Magnetism Tailoring. Nano Letters, 2017, 17, 800-804.	4.5	57
43	Effects of Direct Solvent-Quantum Dot Interaction on the Optical Properties of Colloidal Monolayer WS₂ Quantum Dots. Nano Letters, 2017, 17, 7471-7477.	4.5	47
44	Correction to Ultrathin Interface Regime of Coreâ€“Shell Magnetic Nanoparticles for Effective Magnetism Tailoring. Nano Letters, 2017, 17, 7170-7170.	4.5	3
45	Integrated microHall magnetometer to measure the magnetic properties of nanoparticles. Lab on A Chip, 2017, 17, 4000-4007.	3.1	13
46	Single-cell mechanogenetics using monovalent magnetoplasmonic nanoparticles. Nature Protocols, 2017, 12, 1871-1889.	5.5	48
47	Nanomagnetic System for Rapid Diagnosis of Acute Infection. ACS Nano, 2017, 11, 11425-11432.	7.3	12
48	Magnetic Force Nanoprobe for Direct Observation of Audio Frequency Tonotopy of Hair Cells. Nano Letters, 2016, 16, 3885-3891.	4.5	9
49	A Mechanogenetic Toolkit for Interrogating Cell Signaling in Space and Time. Cell, 2016, 165, 1507-1518.	13.5	143
50	Colloidal Single-Layer Quantum Dots with Lateral Confinement Effects on 2D Exciton. Journal of the American Chemical Society, 2016, 138, 13253-13259.	6.6	49
51	Magnetic Tandem Apoptosis for Overcoming Multidrug-Resistant Cancer. Nano Letters, 2016, 16, 7455-7460.	4.5	41
52	Colloidal Synthesis of Single-Layer MSe₂ (M = Mo, W) Nanosheets via Anisotropic Solution-Phase Growth Approach. Journal of the American Chemical Society, 2015, 137, 7266-7269.	6.6	147
53	Recent advances in magnetic nanoparticle-based multi-modal imaging. Chemical Society Reviews, 2015, 44, 4501-4516.	18.7	494
54	Tandem intercalation strategy for single-layer nanosheets as an effective alternative to conventional exfoliation processes. Nature Communications, 2015, 6, 5763.	5.8	137

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55	Orientational Control of Colloidal 2D-Layered Transition Metal Dichalcogenide Nanodiscs via Unusual Electrokinetic Response. ACS Nano, 2015, 9, 8037-8043.	7.3	16
56	Iron Oxide Based Nanoparticles for Multimodal Imaging and Magnetoresponsive Therapy. Chemical Reviews, 2015, 115, 10637-10689.	23.0	827
57	Anisotropic Electronâ€“Phonon Coupling in Colloidal Layered TiS₂ Nanodiscs Observed via Coherent Acoustic Phonons. Journal of Physical Chemistry C, 2015, 119, 7436-7442.	1.5	11
58	Recent Developments in Magnetic Diagnostic Systems. Chemical Reviews, 2015, 115, 10690-10724.	23.0	239
59	Hexagonal Transitionâ€Metal Chalcogenide Nanoflakes with Pronounced Lateral Quantum Confinement. Angewandte Chemie - International Edition, 2014, 53, 12624-12628.	7.2	9
60	Design Considerations of Iron-Based Nanoclusters for Noninvasive Tracking of Mesenchymal Stem Cell Homing. ACS Nano, 2014, 8, 4403-4414.	7.3	89
61	Chemical Synthetic Strategy for Single-Layer Transition-Metal Chalcogenides. Journal of the American Chemical Society, 2014, 136, 14670-14673.	6.6	151
62	T₁ and T₂ Dual-Mode MRI Contrast Agent for Enhancing Accuracy by Engineered Nanomaterials. ACS Nano, 2014, 8, 3393-3401.	7.3	195
63	Magnetic Nanoparticles for Ultrafast Mechanical Control of Inner Ear Hair Cells. ACS Nano, 2014, 8, 6590-6598.	7.3	71
64	Photoinduced Separation of Strongly Interacting 2-D Layered TiS₂ Nanodiscs in Solution. Journal of Physical Chemistry C, 2014, 118, 12568-12573.	1.5	14
65	Negatively Charged Metal Oxide Nanoparticles Interact with the 20S Proteasome and Differentially Modulate Its Biologic Functional Effects. ACS Nano, 2013, 7, 7759-7772.	7.3	21
66	In vivo pulsed magneto-motive ultrasound imaging using high-performance magnetoactive contrast nanoagents. Nanoscale, 2013, 5, 11179.	2.8	48
67	Synthesis and structural transformations of colloidal 2D layered metal chalcogenide nanocrystals. Chemical Society Reviews, 2013, 42, 2581-2591.	18.7	169
68	Onâ€Demand Drug Release System for Inâ€…Vivo Cancer Treatment through Selfâ€Assembled Magnetic Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 4384-4388.	7.2	200
69	Unveiling Chemical Reactivity and Structural Transformation of Two-Dimensional Layered Nanocrystals. Journal of the American Chemical Society, 2013, 135, 3736-3739.	6.6	45
70	Recent Developments in Texaphyrin Chemistry and Drug Discovery. Inorganic Chemistry, 2013, 52, 12184-12192.	1.9	65
71	Magnetic Nanoparticles for Multi-Imaging and Drug Delivery. Molecules and Cells, 2013, 35, 274-284.	1.0	80
72	Magnetically Triggered Dual Functional Nanoparticles for Resistanceâ€Free Apoptotic Hyperthermia. Angewandte Chemie - International Edition, 2013, 52, 13047-13051.	7.2	201

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73	Doubleâ€Effector Nanoparticles: A Synergistic Approach to Apoptotic Hyperthermia. Angewandte Chemie - International Edition, 2012, 51, 12482-12485.	7.2	82
74	A magnetic switch for the control of cell death signalling in in vitro and in vivo systems. Nature Materials, 2012, 11, 1038-1043.	13.3	208
75	Well-Defined Colloidal 2-D Layered Transition-Metal Chalcogenide Nanocrystals via Generalized Synthetic Protocols. Journal of the American Chemical Society, 2012, 134, 18233-18236.	6.6	224
76	Nanoscale Magnetism Control via Surface and Exchange Anisotropy for Optimized Ferrimagnetic Hysteresis. Nano Letters, 2012, 12, 3716-3721.	4.5	390
77	Magnetic Properties of Annealed Coreâ€“Shell CoPt Nanoparticles. Nano Letters, 2012, 12, 1189-1197.	4.5	42
78	A facile approach for the delivery of inorganic nanoparticles into the brain by passing through the bloodâ€“brain barrier (BBB). Chemical Communications, 2012, 48, 61-63.	2.2	44
79	Theranostic Nanomedicine. Accounts of Chemical Research, 2011, 44, 841-841.	7.6	661
80	Ultrathin Zirconium Disulfide Nanodiscs. Journal of the American Chemical Society, 2011, 133, 7636-7639.	6.6	149
81	Transformative Two-Dimensional Layered Nanocrystals. Journal of the American Chemical Society, 2011, 133, 14500-14503.	6.6	58
82	Multiple twinning drives nanoscale hyper-branching of titanium dioxide nanocrystals. Journal of Materials Chemistry, 2011, 21, 10283.	6.7	14
83	Theranostic Magnetic Nanoparticles. Accounts of Chemical Research, 2011, 44, 863-874.	7.6	653
84	Exchange-coupled magnetic nanoparticles for efficient heat induction. Nature Nanotechnology, 2011, 6, 418-422.	15.6	1,197
85	Magnetic actuation of hair cells. Applied Physics Letters, 2011, 99, 193701.	1.5	4
86	Self-Confirming â€œANDâ€•Logic Nanoparticles for Fault-Free MRI. Journal of the American Chemical Society, 2010, 132, 11015-11017.	6.6	270
87	Artificial Control of Cell Signaling and Growth by Magnetic Nanoparticles. Angewandte Chemie - International Edition, 2010, 49, 5698-5702.	7.2	71
88	Noninvasive Remote-Controlled Release of Drug Molecules in Vitro Using Magnetic Actuation of Mechanized Nanoparticles. Journal of the American Chemical Society, 2010, 132, 10623-10625.	6.6	583
89	Critical Enhancements of MRI Contrast and Hyperthermic Effects by Dopantâ€Controlled Magnetic Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 1234-1238.	7.2	501
90	Allâ€inâ€One Targetâ€Cellâ€Specific Magnetic Nanoparticles for Simultaneous Molecular Imaging and siRNA Delivery. Angewandte Chemie - International Edition, 2009, 48, 4174-4179.	7.2	341

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91	Pharmacokinetic properties and tissue storage of FITC conjugated SA-MnMEIO nanoparticles in mice. Current Applied Physics, 2009, 9, e304-e307.	1.1	6
92	Magnetic Nanoclusters for Ultrasensitive Magnetophoretic Assays. Small, 2009, 5, 2243-2246.	5.2	12
93	Nanoparticle Assemblies as Memristors. Nano Letters, 2009, 9, 2229-2233.	4.5	158
94	Chemical Design of Nanoparticle Probes for Highâ€Performance Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2008, 47, 5122-5135.	7.2	809
95	A Hybrid Nanoparticle Probe for Dualâ€Modality Positron Emission Tomography and Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2008, 47, 6259-6262.	7.2	203
96	Twoâ€Dimensional SnS₂ Nanoplates with Extraordinary High Discharge Capacity for Lithium Ion Batteries. Advanced Materials, 2008, 20, 4269-4273.	11.1	521
97	Nanoscaling Laws of Magnetic Nanoparticles and Their Applicabilities in Biomedical Sciences. Accounts of Chemical Research, 2008, 41, 179-189.	7.6	760
98	Synergistically Integrated Nanoparticles as Multimodal Probes for Nanobiotechnology. Accounts of Chemical Research, 2008, 41, 1630-1640.	7.6	658
99	Shape-Dependent Compressibility of TiO2 Anatase Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 9627-9631.	1.5	61
100	Nanoparticle assisted magnetic resonance imaging of the early reversible stages of amyloid Î² self-assembly. Chemical Communications, 2008, , 2197.	2.2	48
101	Heterostructured magnetic nanoparticles: their versatility and high performance capabilities. Chemical Communications, 2007, , 1203-1214.	2.2	259
102	Magnetophoretic Immunoassay of Allergen-Specific IgE in an Enhanced Magnetic Field Gradient. Analytical Chemistry, 2007, 79, 2214-2220.	3.2	75
103	Twoâ€Dimensional Nanosheet Crystals. Angewandte Chemie - International Edition, 2007, 46, 8828-8831.	7.2	308
104	Hybrid Nanoparticles for Magnetic Resonance Imaging of Targetâ€Specific Viral Gene Delivery. Advanced Materials, 2007, 19, 3109-3112.	11.1	83
105	Development of Water-Soluble Single-Crystalline TiO2 Nanoparticles for Photocatalytic Cancer-Cell Treatment. Small, 2007, 3, 850-853.	5.2	210
106	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. Nature Medicine, 2007, 13, 95-99.	15.2	1,756
107	Highly crystalline anisotropic superstructures via magnetic field induced nanoparticle assembly. Chemical Communications, 2007, , 5001.	2.2	46
108	Biocompatible Heterostructured Nanoparticles for Multimodal Biological Detection. Journal of the American Chemical Society, 2006, 128, 15982-15983.	6.6	332

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109	Shape Control of Semiconductor and Metal Oxide Nanocrystals through Nonhydrolytic Colloidal Routes. Angewandte Chemie - International Edition, 2006, 45, 3414-3439.	7.2	1,075
110	Dual-Mode Nanoparticle Probes for High-Performance Magnetic Resonance and Fluorescence Imaging of Neuroblastoma. Angewandte Chemie - International Edition, 2006, 45, 8160-8162.	7.2	326
111	Magnetic superlattices and their nanoscale phase transition effects. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3023-3027.	3.3	89
112	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. Journal of the American Chemical Society, 2005, 127, 5732-5733.	6.6	1,131
113	Redoxâ˜Transmetalation Process as a Generalized Synthetic Strategy for Coreâ˜Shell Magnetic Nanoparticles. Journal of the American Chemical Society, 2005, 127, 16090-16097.	6.6	269
114	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. Journal of the American Chemical Society, 2005, 127, 9992-9993.	6.6	299
115	In Situ One-Pot Synthesis of 1-Dimensional Transition Metal Oxide Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 5389-5391.	1.2	137
116	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. Journal of the American Chemical Society, 2005, 127, 12387-12391.	6.6	829
117	Langmuir Monolayers of Co Nanoparticles and Their Patterning by Microcontact Printing. Journal of Physical Chemistry B, 2005, 109, 13119-13123.	1.2	39
118	Massive Fabrication of Free-Standing One-Dimensional Co/Pt Nanostructures and Modulation of Ferromagnetism via a Programmable Barcode Layer Effect. Nano Letters, 2005, 5, 2179-2183.	4.5	115
119	Symmetry-Controlled Colloidal Nanocrystals:Â Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. Journal of Physical Chemistry B, 2005, 109, 14795-14806.	1.2	268
120	Selectively Assembled Co Nanoparticle Stripes Prepared by Covalent Linkage and Microcontact Printing. Journal of Physical Chemistry B, 2004, 108, 2575-2579.	1.2	41
121	Characterization of Superparamagnetic â€œCoreâ˜Shellâ€•Nanoparticles and Monitoring Their Anisotropic Phase Transition to Ferromagnetic â€œSolid Solutionâ€•Nanoalloys. Journal of the American Chemical Society, 2004, 126, 9072-9078.	6.6	196
122	Shape Evolution of Single-Crystalline Iron Oxide Nanocrystals. Journal of the American Chemical Society, 2004, 126, 1950-1951.	6.6	317
123	Surfactant-Assisted Elimination of a High Energy Facet as a Means of Controlling the Shapes of TiO2Nanocrystals. Journal of the American Chemical Society, 2003, 125, 15981-15985.	6.6	556
124	Controlled growth of carbon nanotubes over cobalt nanoparticles by thermal chemical vapor deposition. Journal of Materials Chemistry, 2003, 13, 2297.	6.7	48
125	Enhanced Magnetic Transition of Core-Shell Cobalt-Platinum Nanoalloys. Materials Research Society Symposia Proceedings, 2002, 721, 1.	0.1	2
126	Architectural Control of Magnetic Semiconductor Nanocrystals. Journal of the American Chemical Society, 2002, 124, 615-619.	6.6	384

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127	Sterically Induced Shape and Crystalline Phase Control of GaP Nanocrystals. Journal of the American Chemical Society, 2002, 124, 13656-13657.	6.6	136
128	Single-Crystalline Star-Shaped Nanocrystals and Their Evolution:â€‰ Programming the Geometry of Nano-Building Blocks. Journal of the American Chemical Society, 2002, 124, 11244-11245.	6.6	513
129	Controlled two-dimensional distribution of nanoparticles by spin-coating method. Applied Physics Letters, 2002, 80, 844-846.	1.5	95
130	Superlattice and Magnetism Directed by the Size and Shape of Nanocrystals. ChemPhysChem, 2002, 3, 543.	1.0	81
131	Controlled Synthesis of Multi-armed CdS Nanorod Architectures Using Monosurfactant System. Journal of the American Chemical Society, 2001, 123, 5150-5151.	6.6	531
132	Size and shape controlled ZnTe nanocrystals with quantum confinement effect. Chemical Communications, 2001, , 101-102.	2.2	97
133	Convenient Molecular Approach of Size and Shape Controlled ZnSe and ZnTe Nanocrystals. Materials Research Society Symposia Proceedings, 2001, 635, C4.47.1.	0.1	1
134	Matrix-Assisted Synthesis of Palladium Nanocage and Nanowires. Materials Research Society Symposia Proceedings, 2001, 635, C3.3.1.	0.1	2
135	Synthesis of â€œSolid Solutionâ€•and â€œCore-Shellâ€•Type Cobaltâ^'Platinum Magnetic Nanoparticles via Transmetalation Reactions. Journal of the American Chemical Society, 2001, 123, 5743-5746.	6.6	365
136	Synthesis of Porous Palladium Superlattice Nanoballs and Nanowires. Chemistry of Materials, 2000, 12, 3530-3532.	3.2	115
137	Ligand to Ligand Charge Transfer in (Hydrotris(pyrazolyl)borato)(triphenylarsine)copper(I). Inorganic Chemistry, 2000, 39, 427-432.	1.9	36
138	One-step synthesis of size tuned zinc selenide quantum dots via a temperature controlled molecular precursor approach. Chemical Communications, 2000, , 1243-1244.	2.2	90
139	Laser and Thermal Vapor Deposition of Metal Sulfide (NiS, PdS) Films and in Situ Gas-Phase Luminescence of Photofragments from M(S2COCHMe2)2. Chemistry of Materials, 1997, 9, 1208-1212.	3.2	67
140	Mechanistic Studies of the Thermolysis of Tetraneopentyltitanium(IV). 2. Solid State and Ultra-High-Vacuum Studies of the Chemical Vapor Deposition of TiC Films. Journal of the American Chemical Society, 1997, 119, 6814-6820.	6.6	34
141	Mechanistic Studies of the Thermolysis of Tetraneopentyltitanium(IV). 1. Solution Evidence That Titanium Alkylidenes Activate Saturated Hydrocarbons. Journal of the American Chemical Society, 1997, 119, 6804-6813.	6.6	84
142	Gas Phase Photochemical Synthesis of II/VI Metal Sulfide Films andin SituLuminescence Spectroscopic Identification of Photofragments. Journal of the American Chemical Society, 1997, 119, 3838-3839.	6.6	42
143	Photochemical Deposition of ZnS from the Gas Phase and Simultaneous Luminescence Detection of Photofragments from a Single-Source Precursor, Zn(S2COCHMe2)2. Journal of the American Chemical Society, 1997, 119, 163-168.	6.6	57
144	Chemical Vapor Deposition of MoS2and TiS2Films From the Metalâ^'Organic Precursors Mo(S-t-Bu)4and Ti(S-t-Bu)4. Chemistry of Materials, 1997, 9, 1847-1853.	3.2	103

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145	Metalorganic Chemical Vapor Deposition of Semiconducting III/VI In2Se3 Thin Films from the Single-Source Precursor: In[SeC(SiMe3)3]3. Chemistry of Materials, 1995, 7, 2273-2276.	3.2	47
146	Nanoparticle Contrast Agents for Molecular Magnetic Resonance Imaging. , 0, , 321-346.		4