

# Nicola Pinna

## List of Publications by Citations

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251  
papers

14,946  
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66  
h-index

116  
g-index

295  
ext. papers

16,407  
ext. citations

8.4  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
251	Nanostructured Materials for Room-Temperature Gas Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 795-831	24	914
250	Atomic layer deposition of nanostructured materials for energy and environmental applications. <i>Advanced Materials</i> , <b>2012</b> , 24, 1017-32	24	444
249	Galvanic replacement reactions in metal oxide nanocrystals. <i>Science</i> , <b>2013</b> , 340, 964-8	33.3	421
248	Surfactant-free nonaqueous synthesis of metal oxide nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5292-304	16.4	406
247	Two-Dimensional Nanostructured Materials for Gas Sensing. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702168	15.6	397
246	Magnetite Nanocrystals: Nonaqueous Synthesis, Characterization, and Solubility $\square$ <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3044-3049	9.6	317
245	Periodically ordered nanoscale islands and mesoporous films composed of nanocrystalline multimetallic oxides. <i>Nature Materials</i> , <b>2004</b> , 3, 787-92	27	307
244	Highly Crystalline Cubic Mesoporous TiO <sub>2</sub> with 10-nm Pore Diameter Made with a New Block Copolymer Template. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2948-2952	9.6	297
243	Nonaqueous synthesis of nanocrystalline semiconducting metal oxides for gas sensing. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4345-9	16.4	294
242	Amorphous layer around aragonite platelets in nacre. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 12653-5	11.5	294
241	Nonaqueous and halide-free route to crystalline BaTiO <sub>3</sub> , SrTiO <sub>3</sub> , and (Ba,Sr)TiO <sub>3</sub> nanoparticles via a mechanism involving C-C bond formation. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9120-6	16.4	250
240	A general soft-chemistry route to perovskites and related materials: synthesis of BaTiO <sub>3</sub> (3), BaZrO <sub>3</sub> (3), and LiNbO <sub>3</sub> (3) nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2270-3	16.4	249
239	Electrospun Nanomaterials for Supercapacitor Electrodes: Designed Architectures and Electrochemical Performance. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601301	21.8	246
238	Chlorine intercalation in graphitic carbon nitride for efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 465-474	21.8	241
237	Ligand-Directed Assembly of Preformed Titania Nanocrystals into Highly Anisotropic Nanostructures. <i>Advanced Materials</i> , <b>2004</b> , 16, 436-439	24	241
236	Room-temperature hydrogen sensing with heteronanostructures based on reduced graphene oxide and tin oxide. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11053-7	16.4	236
235	Superstructures of Calcium Carbonate Crystals by Oriented Attachment. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1317-1319	3.5	221

234	Single crystal manganese oxide multipods by oriented attachment. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15034-5	16.4	214
233	Turkevich in New Robes: Key Questions Answered for the Most Common Gold Nanoparticle Synthesis. <i>ACS Nano</i> , <b>2015</b> , 9, 7052-71	16.7	212
232	Ni Strongly Coupled with Mo <sub>2</sub> C Encapsulated in Nitrogen-Doped Carbon Nanofibers as Robust Bifunctional Catalyst for Overall Water Splitting. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803185	21.8	208
231	Growth and assembly of crystalline tungsten oxide nanostructures assisted by bioligation. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15595-601	16.4	199
230	A general nonaqueous route to binary metal oxide nanocrystals involving a C-C bond cleavage. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5608-12	16.4	196
229	Metal Oxide Nanoparticles in Organic Solvents. <i>Engineering Materials and Processes</i> , <b>2009</b> ,		180
228	Triangular CdS Nanocrystals: Structural and Optical Studies. <i>Advanced Materials</i> , <b>2001</b> , 13, 261-264	24	180
227	Local Structure of Nanoscopic Materials: V <sub>2</sub> O <sub>5</sub> Nanorods and Nanowires. <i>Nano Letters</i> , <b>2003</b> , 3, 1131-1134	13.45	158
226	Polymer-induced alignment of DL-alanine nanocrystals to crystalline mesostructures. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2903-13	4.8	153
225	Sensing behavior of SnO <sub>2</sub> /reduced graphene oxide nanocomposites toward NO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 179, 61-68	8.5	147
224	Non-Aqueous Synthesis of High-Purity Metal Oxide Nanopowders Using an Ether Elimination Process. <i>Advanced Materials</i> , <b>2004</b> , 16, 2196-2200	24	140
223	Efficient and tuneable photoluminescent boehmite hybrid nanoplates lacking metal activator centres for single-phase white LEDs. <i>Nature Communications</i> , <b>2014</b> , 5, 5702	17.4	131
222	Non-aqueous routes to crystalline metal oxide nanoparticles: Formation mechanisms and applications. <i>Progress in Solid State Chemistry</i> , <b>2005</b> , 33, 59-70	8	131
221	Nonaqueous synthesis of metal oxide nanoparticles: Review and indium oxide as case study for the dependence of particle morphology on precursors and solvents. <i>Journal of Sol-Gel Science and Technology</i> , <b>2006</b> , 40, 259-266	2.3	127
220	Ligand functionality as a versatile tool to control the assembly behavior of preformed titania nanocrystals. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3541-51	4.8	124
219	Graphene/N-doped carbon sandwiched nanosheets with ultrahigh nitrogen doping for boosting lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1423-1431	13	118
218	Platinum single atoms on tin oxide ultrathin films for extremely sensitive gas detection. <i>Materials Horizons</i> , <b>2020</b> , 7, 1519-1527	14.4	117
217	Retrosynthesis of Nacre via Amorphous Precursor Particles. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 6514-6516	9.6	114

216	A facile hydrazine-assisted hydrothermal method for the deposition of monodisperse SnO <sub>2</sub> nanoparticles onto graphene for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2520-2525		113
215	Microwave-assisted synthesis and characterization of flower shaped zinc oxide nanostructures. <i>Materials Letters</i> , <b>2009</b> , 63, 242-245	3.3	111
214	Synthesis and Characterization of Stable and Crystalline Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> Nanoparticle Sols. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2599-2604	9.6	111
213	Solvent Dependent Shape and Magnetic Properties of Doped ZnO Nanostructures. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3159-3169	15.6	110
212	Divanadium Pentoxide Nanorods. <i>Advanced Materials</i> , <b>2003</b> , 15, 329-331	24	109
211	MoS <sub>2</sub> Van der Waals p/n Junctions Enabling Highly Selective Room-Temperature NO <sub>2</sub> Sensor. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000435	15.6	107
210	CO gas sensing of ZnO nanostructures synthesized by an assisted microwave wet chemical route. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 143, 198-204	8.5	105
209	Synthesis of yttria-based crystalline and lamellar nanostructures and their formation mechanism. <i>Small</i> , <b>2005</b> , 1, 112-21	11	105
208	Microwave-assisted synthesis and characterization of tin oxide nanoparticles. <i>Materials Letters</i> , <b>2008</b> , 62, 3437-3440	3.3	101
207	Triangular CdS Nanocrystals: Synthesis, Characterization, and Stability. <i>Langmuir</i> , <b>2001</b> , 17, 7982-7987	4	100
206	Vanadium oxide sensing layer grown on carbon nanotubes by a new atomic layer deposition process. <i>Nano Letters</i> , <b>2008</b> , 8, 4201-4	11.5	98
205	Synthesis of stable aragonite superstructures by a biomimetic crystallization pathway. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6004-9	16.4	95
204	The Benzyl alcohol route: an elegant approach towards organic/inorganic hybrid nanomaterials. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2769-2774		94
203	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13437-48	9.5	92
202	Controlled assembly of preformed ceria nanocrystals into highly ordered 3D nanostructures. <i>Small</i> , <b>2005</b> , 1, 313-6	11	91
201	Solid acids with SO <sub>3</sub> H groups and tunable surface properties: versatile catalysts for biomass conversion. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11813-11824	13	85
200	Structure-Properties Relationship in Iron Oxide-Reduced Graphene Oxide Nanostructures for Li-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4293-4305	15.6	84
199	Citric Acid-Assisted Hydrothermal Synthesis of Luminescent TbPO <sub>4</sub> :Eu Nanocrystals: Controlled Morphology and Tunable Emission. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18815-18820	3.8	84

198	Carbon-nanostructures coated/decorated by atomic layer deposition: Growth and applications. <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 3232-3253	23.2	83
197	Large-Scale Synthesis of Ultrathin Manganese Oxide Nanoplates and Their Applications to T1 MRI Contrast Agents. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3318-3324	9.6	83
196	Production of biomass-derived furanic ethers and levulinate esters using heterogeneous acid catalysts. <i>Green Chemistry</i> , <b>2013</b> , 15, 3367	10	81
195	A novel nonaqueous route to V <sub>2</sub> O <sub>3</sub> and Nb <sub>2</sub> O <sub>5</sub> nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 250, 211-213	5.1	77
194	In <sub>2</sub> O <sub>3</sub> and Pt-In <sub>2</sub> O <sub>3</sub> nanopowders for low temperature oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 127, 455-462	8.5	76
193	Effect of the chemical composition on the sensing properties of In <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> nanoparticles synthesized by a non-aqueous method. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 130, 222-230	8.5	76
192	Sulfonated graphene oxide as effective catalyst for conversion of 5-(hydroxymethyl)-2-furfural into biofuels. <i>ChemSusChem</i> , <b>2014</b> , 7, 804-12	8.3	75
191	Evaporation-Induced Self-Assembly (EISA) at Its Limit: Ultrathin, Crystalline Patterns by Templating of Micellar Monolayers. <i>Advanced Materials</i> , <b>2006</b> , 18, 2260-2263	24	74
190	Surfactant-free nonaqueous synthesis of lithium titanium oxide (LTO) nanostructures for lithium ion battery applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 806-810		73
189	A one-pot microwave-assisted non-aqueous sol-gel approach to metal oxide/graphene nanocomposites for Li-ion batteries. <i>RSC Advances</i> , <b>2011</b> , 1, 1687	3.7	72
188	The generation of mesostructured crystalline CeO <sub>2</sub> , ZrO <sub>2</sub> and CeO <sub>2</sub> /ZrO <sub>2</sub> films using evaporation-induced self-assembly. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 237-242	3.6	72
187	Lanthanide-Based Lamellar Nanohybrids: Synthesis, Structural Characterization, and Optical Properties. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 4493-4499	9.6	70
186	Tin Dioxide Sensing Layer Grown on Tubular Nanostructures by a Non-Aqueous Atomic Layer Deposition Process. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 658-666	15.6	68
185	Structural, optical and electrical characterization of antimony-substituted tin oxide nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2009</b> , 70, 993-999	3.9	62
184	Edge-enriched WS nanosheets on carbon nanofibers boosts NO detection at room temperature. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 411, 125120	12.8	61
183	A highly sensitive oxygen sensor operating at room temperature based on platinum-doped In <sub>2</sub> O <sub>3</sub> nanocrystals. <i>Chemical Communications</i> , <b>2005</b> , 6032-4	5.8	60
182	Colloidal polymers from inorganic nanoparticle monomers. <i>Progress in Polymer Science</i> , <b>2015</b> , 40, 85-120	29.6	58
181	Tuning the sensitivity of lanthanide-activated NIR nanothermometers in the biological windows. <i>Nanoscale</i> , <b>2018</b> , 10, 2568-2576	7.7	58

180	Directing the deposition of ferromagnetic cobalt onto Pt-tipped CdSe@CdS nanorods: synthetic and mechanistic insights. <i>ACS Nano</i> , <b>2012</b> , 6, 8632-45	16.7	57
179	Optical properties of silver nanocrystals self-organized in a two-dimensional superlattice: Substrate effect. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	55
178	A facile synthesis of FeO/nitrogen-doped carbon hybrid nanofibers as a robust peroxidase-like catalyst for the sensitive colorimetric detection of ascorbic acid. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5499-5505	7.3	54
177	Mesoporous carbon-silica solid acid catalysts for producing useful bio-products within the sugar-platform of biorefineries. <i>Green Chemistry</i> , <b>2014</b> , 16, 4292-4305	10	53
176	A General Soft-Chemistry Route to Perovskites and Related Materials: Synthesis of BaTiO <sub>3</sub> , BaZrO <sub>3</sub> , and LiNbO <sub>3</sub> Nanoparticles. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2320-2323	3.6	52
175	Photoluminescence, cytotoxicity and in vitro imaging of hexagonal terbium phosphate nanoparticles doped with europium. <i>Nanoscale</i> , <b>2011</b> , 3, 1263-9	7.7	50
174	The controlled deposition of metal oxides onto carbon nanotubes by atomic layer deposition: examples and a case study on the application of V <sub>2</sub> O <sub>4</sub> coated nanotubes in gas sensing. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 3615-22	3.6	49
173	Surfactant-Mediated Generation of Iso-Oriented Dense and Mesoporous Crystalline Metal-Oxide Layers. <i>Advanced Materials</i> , <b>2006</b> , 18, 1827-1831	24	48
172	Missing Piece of the Mechanism of the Turkevich Method: The Critical Role of Citrate Protonation. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4072-4081	9.6	48
171	Nonaqueous synthesis, assembly and formation mechanisms of metal oxide nanocrystals. <i>International Journal of Nanotechnology</i> , <b>2007</b> , 4, 263	1.5	47
170	Enhancing the Lithium Storage Performance of Graphene/SnO Nanorods by a Carbon-Riveting Strategy. <i>ChemSusChem</i> , <b>2018</b> , 11, 1321-1327	8.3	46
169	Amperometric Sensing of H <sub>2</sub> O <sub>2</sub> using Pt-TiO <sub>2</sub> /Reduced Graphene Oxide Nanocomposites. <i>ChemElectroChem</i> , <b>2014</b> , 1, 617-624	4.3	46
168	Transition Metal-Doped ZrO <sub>2</sub> and HfO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 12048-12058	3.8	46
167	Manganese-Doped Zirconia Nanocrystals. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 863-868	2.3	46
166	Microwave-assisted fluorolytic sol-gel route to iron fluoride nanoparticles for Li-ion batteries. <i>Chemical Communications</i> , <b>2014</b> , 50, 460-2	5.8	45
165	Hybrid Organic-Inorganic Transition-Metal Phosphonates as Precursors for Water Oxidation Electrocatalysts. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703158	15.6	45
164	Synthesis of Nickel Phosphide Electrocatalysts from Hybrid Metal Phosphonates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14013-14022	9.5	44
163	Non-aqueous routes to metal oxide thin films by atomic layer deposition. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 3592-5	16.4	44

162	A review on the application of iron(III) fluorides as positive electrodes for secondary cells. <i>Materials for Renewable and Sustainable Energy</i> , <b>2014</b> , 3, 1	4.7	43
161	One-step synthesis and self-assembly of metal oxide nanoparticles into 3D superlattices. <i>ACS Nano</i> , <b>2012</b> , 6, 4382-91	16.7	42
160	Sea-Sponge-like Structure of Nano-FeO on Skeleton-C with Long Cycle Life under High Rate for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19656-19663	9.5	41
159	One-Step Synthesis and Optical Properties of Benzoate- and Biphenolate-Capped ZrO <sub>2</sub> Nanoparticles. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4275-4283	15.6	40
158	Microwave-assisted coating of carbon nanostructures with titanium dioxide for the catalytic dehydration of D-xylose into furfural. <i>RSC Advances</i> , <b>2013</b> , 3, 2595	3.7	40
157	Labeling and monitoring the distribution of anchoring sites on functionalized CNTs by atomic layer deposition. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7323		39
156	Selective Dissolution of Surface Nickel Close to Platinum in PtNi Nanocatalyst toward Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1879-1887	9.6	36
155	The Benzyl alcohol route—An elegant approach towards doped and multimetal oxide nanocrystals. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 57, 323-329	2.3	36
154	Optical response of ultrafine spherical silver nanoparticles arranged in hexagonal planar arrays studied by the DDA method. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 4094-9	2.8	36
153	Non-aqueous sol-gel routes applied to atomic layer deposition of oxides. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 454-462		36
152	Towards enhanced performances in gas sensing: SnO <sub>2</sub> based nanocrystalline oxides application. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 122, 564-571	8.5	36
151	Reliable palladium nanoparticle syntheses in aqueous solution: the importance of understanding precursor chemistry and growth mechanism. <i>CrystEngComm</i> , <b>2015</b> , 17, 1865-1870	3.3	35
150	Electrochemical Water Oxidation of Ultrathin Cobalt Oxide-Based Catalyst Supported onto Aligned ZnO Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3226-32	9.5	35
149	Photoluminescent Rare-Earth Based Biphenolate Lamellar Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2539-2544	3.8	35
148	Nonaqueous Synthesis of Nanocrystalline Semiconducting Metal Oxides for Gas Sensing. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4445-4449	3.6	35
147	Gas sensing properties and p-type response of ALD TiO <sub>2</sub> coated carbon nanotubes. <i>Nanotechnology</i> , <b>2015</b> , 26, 024004	3.4	34
146	Highly ordered and vertically oriented TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanotube electrodes for application in dye-sensitized solar cells. <i>Nanotechnology</i> , <b>2014</b> , 25, 504003	3.4	34
145	Tensidfreie nichtwässrige Synthese von Metalloxid-Nanostrukturen. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5372-5385	3.6	34



144	Toward Optimized Radial Modulation of the Space-Charge Region in One-Dimensional SnO-NiO Core-Shell Nanowires for Hydrogen Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4594-4608	9.5	32	
143	Colloidal polymers from dipolar assembly of cobalt-tipped CdSe@CdS nanorods. <i>ACS Nano</i> , <b>2014</b> , 8, 3272-3284	8.4	32	
142	In Situ Infrared Spectroscopic Study of Atomic Layer-Deposited TiO <sub>2</sub> Thin Films by Nonaqueous Routes. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1706-1712	9.6	31	
141	ALD SnO <sub>2</sub> protective decoration enhances the durability of a Pt based electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 969-975	13	30	
140	Optical properties of lanthanide-doped lamellar nanohybrids. <i>ChemPhysChem</i> , <b>2006</b> , 7, 2215-22	3.2	30	
139	Geometric and electronic structure of Nb <sub>2</sub> O <sub>5</sub> : Comparison between Nb <sub>2</sub> O <sub>5</sub> and Nb <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	30	
138	Niobium pentoxide nanomaterials with distorted structures as efficient acid catalysts. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	30	
137	Tuning the NiO Thin Film Morphology on Carbon Nanotubes by Atomic Layer Deposition for Enzyme-Free Glucose Sensing. <i>ChemElectroChem</i> , <b>2019</b> , 6, 383-392	4.3	30	
136	Insights into Charge Transfer at an Atomically Precise Nanocluster/Semiconductor Interface. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7748-7754	16.4	29	
135	Nanopatterning by Area-Selective Atomic Layer Deposition	2012	193-225	29
134	Highly Dispersible Hexagonal Carbon-MoS <sub>2</sub> -Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4757-4766	4.8	28	
133	Micro-Raman investigation of vanadium-oxide coated tubular carbon nanofibers for gas-sensing applications. <i>Diamond and Related Materials</i> , <b>2010</b> , 19, 590-594	3.5	28	
132	A general nonaqueous route to crystalline alkaline earth aluminate nanostructures. <i>Nanoscale</i> , <b>2009</b> , 1, 360-5	7.7	28	
131	Exploiting the Condensation Reactions of Acetophenone to Engineer Carbon-Encapsulated Nb <sub>2</sub> O <sub>5</sub> Nanocrystals for High-Performance Li and Na Energy Storage Systems. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902813	21.8	27	
130	Zn <sub>0.35</sub> Co <sub>0.65</sub> O <sub>4</sub> A Stable and Highly Active Oxygen Evolution Catalyst Formed by Zinc Leaching and Tetrahedral Coordinated Cobalt in Wurtzite Structure. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900328	21.8	27	
129	Unifying Concepts in Room-Temperature CO Oxidation with Gold Catalysts. <i>ACS Catalysis</i> , <b>2017</b> , 7, 8247-8254	13.54	27	
128	Chemical Modification of Graphene Oxide through Diazonium Chemistry and Its Influence on the Structure-Property Relationships of Graphene Oxide-Iron Oxide Nanocomposites. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12465-74	4.8	27	
127	Magnetic properties of cobalt and manganese doped ZnO nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 118-124	1.6	27	



126	Atomic Layer Deposition to Materials for Gas Sensing Applications. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600335	4.6	27
125	Nanoparticle self-assembly using $\pi$ -interactions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2370-2378	13	26
124	Fluorescent and paramagnetic core-shell hybrid nanoparticles for bi-modal magnetic resonance/luminescence imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20641		24
123	Carboxylic Acids as Oxygen Sources for the Atomic Layer Deposition of High- $\kappa$ Metal Oxides. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12754-12759	3.8	23
122	Synthesis and functional verification of the unsupported active phase of $VxOy$ catalysts for partial oxidation of n-butane. <i>Journal of Catalysis</i> , <b>2005</b> , 236, 221-232	7.3	23
121	Novel Synthesis of Anhydrous and Hydroxylated $CuF$ Nanoparticles and Their Potential for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7177-7187	4.8	22
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4	Carboxylic Acids as Oxygen Supplying Agents for Atomic Layer Deposition of High-k Thin Films. <i>ECS Transactions</i> , <b>2009</b> , 16, 279-289	1	
3	A Novel Approach for the Preparation of Metal Oxide/CNTs Composites for Sensing Applications. <i>Lecture Notes in Electrical Engineering</i> , <b>2010</b> , 63-66	0.2	
2	Microwave-Assisted Synthesis of Metal Oxide Nanostructures for Sensing Applications. <i>Lecture Notes in Electrical Engineering</i> , <b>2011</b> , 55-59	0.2	
1	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with Giant tert-butyl Groups. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1819-1823	3.6	

