

Andrea Falqui

List of Publications by Year in descending order

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196
papers

8,825
citations

29994

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all docs

206
docs citations

206
times ranked

13601
citing authors

#	ARTICLE	IF	CITATIONS
1	A Structural and Magnetic Investigation of the Inversion Degree in Ferrite Nanocrystals MFe_2O_4 (M = Mn, Co, Ni). <i>Journal of Physical Chemistry C</i> , 2009, 113, 8606-8615.	1.5	422
2	Reversible Tunability of the Near-Infrared Valence Band Plasmon Resonance in Cu_2Se Nanocrystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 11175-11180.	6.6	421
3	Sequential Cation Exchange in Nanocrystals: Preservation of Crystal Phase and Formation of Metastable Phases. <i>Nano Letters</i> , 2011, 11, 4964-4970.	4.5	300
4	Assembly of Colloidal Semiconductor Nanorods in Solution by Depletion Attraction. <i>Nano Letters</i> , 2010, 10, 743-749.	4.5	250
5	CdSe/CdS/ZnS Double Shell Nanorods with High Photoluminescence Efficiency and Their Exploitation As Biolabeling Probes. <i>Journal of the American Chemical Society</i> , 2009, 131, 2948-2958.	6.6	247
6	Selective Growth of PbSe on One or Both Tips of Colloidal Semiconductor Nanorods. <i>Nano Letters</i> , 2005, 5, 445-449.	4.5	228
7	Enhancement of Neurite Outgrowth in Neuronal-Like Cells following Boron Nitride Nanotube-Mediated Stimulation. <i>ACS Nano</i> , 2010, 4, 6267-6277.	7.3	208
8	Lipid Droplets: A New Player in Colorectal Cancer Stem Cells Unveiled by Spectroscopic Imaging. <i>Stem Cells</i> , 2015, 33, 35-44.	1.4	185
9	One-Pot Synthesis and Characterization of Size-Controlled Bimagnetic FePt^{\sim} Iron Oxide Heterodimer Nanocrystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 1477-1487.	6.6	179
10	An Overview of Lipid Droplets in Cancer and Cancer Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-17.	1.2	165
11	Epitaxial CdSe-Au Nanocrystal Heterostructures by Thermal Annealing. <i>Nano Letters</i> , 2010, 10, 3028-3036.	4.5	152
12	Three-Dimensional Morphology of Iron Oxide Nanoparticles with Reactive Concave Surfaces. A Compressed Sensing-Electron Tomography (CS-ET) Approach. <i>Nano Letters</i> , 2011, 11, 4666-4673.	4.5	148
13	Correlating Magneto-Structural Properties to Hyperthermia Performance of Highly Monodisperse Iron Oxide Nanoparticles Prepared by a Seeded-Growth Route. <i>Chemistry of Materials</i> , 2011, 23, 4170-4180.	3.2	134
14	Iron Nanoparticle Growth in Organic Superstructures. <i>Journal of the American Chemical Society</i> , 2009, 131, 549-557.	6.6	121
15	Fluorescent Asymmetrically Cobalt-Tipped CdSe@CdS Core@Shell Nanorod Heterostructures Exhibiting Room-Temperature Ferromagnetic Behavior. <i>Journal of the American Chemical Society</i> , 2009, 131, 12817-12828.	6.6	119
16	End-to-End Assembly of Shape-Controlled Nanocrystals via a Nanowelding Approach Mediated by Gold Domains. <i>Advanced Materials</i> , 2009, 21, 550-554.	11.1	114
17	Characterization of Nanocrystalline Fe_2O_3 Prepared by Wet Chemical Method. <i>Journal of Materials Research</i> , 1999, 14, 1570-1575.	1.2	107
18	Triton X-100 for three-plasmon gold nanostars with two photothermally active NIR (near IR) and SWIR (short-wavelength IR) channels. <i>Chemical Communications</i> , 2013, 49, 6265.	2.2	104

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19	CoFe ₂ O ₄ nanocrystalline powders prepared by citrate-gel methods: Synthesis, structure and magnetic properties. <i>Journal of Nanoparticle Research</i> , 2006, 8, 255-267.	0.8	102
20	Monodispersed and size-controlled multibranching gold nanoparticles with nanoscale tuning of surface morphology. <i>Nanoscale</i> , 2011, 3, 2227.	2.8	101
21	“Nanohybrids” Based on pH-Responsive Hydrogels and Inorganic Nanoparticles for Drug Delivery and Sensor Applications. <i>Nano Letters</i> , 2011, 11, 3136-3141.	4.5	99
22	Cobalt Growth on the Tips of CdSe Nanorods. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1814-1817.	7.2	96
23	Size-Tunable, Hexagonal Plate-like Cu ₃ P and Janus-like Cu ₃ P Nanocrystals. <i>ACS Nano</i> , 2012, 6, 32-41.	7.3	94
24	Functionalization of Strongly Interacting Magnetic Nanocubes with (Thermo)Responsive Coating and Their Application in Hyperthermia and Heat-Triggered Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10132-10145.	4.0	89
25	Dynamical Formation of Spatially Localized Arrays of Aligned Nanowires in Plastic Films with Magnetic Anisotropy. <i>ACS Nano</i> , 2010, 4, 1873-1878.	7.3	87
26	Influence of particles alloying on the performances of Pt/Ru/CNT catalysts for selective hydrogenation. <i>Journal of Catalysis</i> , 2011, 278, 59-70.	3.1	84
27	In Vivo toxicity assessment of gold nanoparticles in <i>Drosophila melanogaster</i> . <i>Nano Research</i> , 2011, 4, 405-413.	5.8	83
28	Synthesis of branched Au nanoparticles with tunable near-infrared LSPR using a zwitterionic surfactant. <i>Chemical Communications</i> , 2011, 47, 1315-1317.	2.2	82
29	Hybrid Co-Au Nanorods: Controlling Au Nucleation and Location. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7079-7081.	7.2	81
30	Supported ionic liquid phase catalysis on functionalized carbon nanotubes. <i>Chemical Communications</i> , 2008, , 4201.	2.2	76
31	Superparamagnetic behaviour of γ -Fe ₂ O ₃ nanoparticles dispersed in a silica matrix. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 832-838.	1.3	74
32	Controlled Synthesis of Gold Nanostars by Using a Zwitterionic Surfactant. <i>Chemistry - A European Journal</i> , 2012, 18, 9381-9390.	1.7	74
33	Direct Imaging of DNA Fibers: The Visage of Double Helix. <i>Nano Letters</i> , 2012, 12, 6453-6458.	4.5	73
34	A Cast-Mold Approach to Iron Oxide and Pt/Iron Oxide Nanocontainers and Nanoparticles with a Reactive Concave Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 2205-2217.	6.6	71
35	Magnetic properties of γ -Fe ₂ O ₃ /SiO ₂ aerogel and xerogel nanocomposite materials. <i>Journal of Materials Chemistry</i> , 2001, 11, 3180-3187.	6.7	69
36	Manganese doped-iron oxide nanoparticle clusters and their potential as agents for magnetic resonance imaging and hyperthermia. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16848-16855.	1.3	68

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37	Synthesis and Structure-Property Correlation in Shape-Controlled ZnO Nanoparticles Prepared by Chemical Vapor Synthesis and their Application in Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2009, 19, 875-886.	7.8	67
38	Low-Temperature Magnetic Behavior of Perovskite Compounds $\text{PbFe}_{1/2}\text{Ta}_{1/2}\text{O}_3$ and $\text{PbFe}_{1/2}\text{Nb}_{1/2}\text{O}_3$. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22967-22970.	1.2	66
39	Colloidal Synthesis of Cuprite (Cu_2O) Octahedral Nanocrystals and Their Electrochemical Lithiation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2745-2751.	4.0	66
40	Structural and magnetic characterization of synthetic ferrihydrite nanoparticles. <i>Materials Chemistry and Physics</i> , 2009, 113, 349-355.	2.0	65
41	Synthesis and microstructure of manganese ferrite colloidal nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5074.	1.3	63
42	Synthesis and magnetic properties of Co nanorod superlattices. <i>Materials Science and Engineering C</i> , 2007, 27, 1162-1166.	3.8	62
43	Oriented magnetic nanowires with high coercivity. <i>Journal of Materials Chemistry</i> , 2008, 18, 5696.	6.7	62
44	Exchange-Coupled Bimagnetic Cobalt/Iron Oxide Branched Nanocrystal Heterostructures. <i>Nano Letters</i> , 2009, 9, 366-376.	4.5	62
45	The Big Impact of a Small Detail: Cobalt Nanocrystal Polymorphism as a Result of Precursor Addition Rate during Stock Solution Preparation. <i>Journal of the American Chemical Society</i> , 2012, 134, 17922-17931.	6.6	62
46	Potent Nematicidal Activity of Phthalaldehyde, Salicylaldehyde, and Cinnamic Aldehyde against <i>Meloidogyne incognita</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1794-1803.	2.4	62
47	A Microwave-Assisted Synthesis of Zinc Oxide Nanocrystals Finely Tuned for Biological Applications. <i>Nanomaterials</i> , 2019, 9, 212.	1.9	61
48	Charge Transport and Electrochemical Properties of Colloidal Greigite (Fe_3S_4) Nanoplatelets. <i>Chemistry of Materials</i> , 2011, 23, 3762-3768.	3.2	60
49	Extremely large extinction efficiency and field enhancement in terahertz resonant dipole nanoantennas. <i>Optics Express</i> , 2011, 19, 26088.	1.7	60
50	Dipolar Rotors Orderly Aligned in Mesoporous Fluorinated Organosilica Architectures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4773-4777.	7.2	60
51	Confinement in Oriented Mesopores Induces Piezoelectric Behavior of Polymeric Nanowires. <i>Chemistry of Materials</i> , 2012, 24, 4215-4221.	3.2	58
52	Nanosized Iron Oxide Particles Entrapped in Pseudo-Single Crystals of β -Cyclodextrin. <i>Chemistry of Materials</i> , 2004, 16, 2016-2020.	3.2	57
53	Hierarchical Porous Silica Films with Ultralow Refractive Index. <i>Chemistry of Materials</i> , 2009, 21, 2055-2061.	3.2	57
54	Magnetism of single-crystalline Co nanorods. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	56

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55	Ultrasmall iron nanoparticles: Effect of size reduction on anisotropy and magnetization. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	55
56	An original growth mode of MWCNTs on alumina supported iron catalysts. <i>Journal of Catalysis</i> , 2009, 263, 345-358.	3.1	55
57	Acidic pH-Responsive Nanogels as Smart Cargo Systems for the Simultaneous Loading and Release of Short Oligonucleotides and Magnetic Nanoparticles. <i>Langmuir</i> , 2010, 26, 10315-10324.	1.6	54
58	Magnetic pH-responsive nanogels as multifunctional delivery tools for small interfering RNA (siRNA) molecules and iron oxide nanoparticles (IONPs). <i>Chemical Communications</i> , 2012, 48, 2400.	2.2	54
59	Influence of Metal Content on Size, Dispersion, and Magnetic Properties of Iron-Cobalt Alloy Nanoparticles Embedded in Silica Matrix. <i>Chemistry of Materials</i> , 2004, 16, 5659-5663.	3.2	53
60	Maghemite polymer nanocomposites with modulated magnetic properties. <i>Acta Materialia</i> , 2007, 55, 2201-2209.	3.8	51
61	Evolution of the Structure and Magnetic Properties of FeCo Nanoparticles in an Alumina Aerogel Matrix. <i>Chemistry of Materials</i> , 2004, 16, 3130-3138.	3.2	49
62	Growth of colloidal nanoparticles of group II-VI and IV-VI semiconductors on top of magnetic iron-platinum nanocrystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 4311.	6.7	49
63	One-Pot Synthesis of Core-Shell FeRh Nanoparticles. <i>Chemistry of Materials</i> , 2007, 19, 4624-4626.	3.2	46
64	Colloidal PbTe Nanocrystal heterostructures. <i>Journal of Materials Chemistry</i> , 2010, 20, 1357-1366.	6.7	46
65	Magnetic Nanocarriers with Tunable pH Dependence for Controlled Loading and Release of Cationic and Anionic Payloads. <i>Advanced Materials</i> , 2011, 23, 5645-5650.	11.1	46
66	Identifying Spinel Phases in Nearly Monodisperse Iron Oxide Colloidal Nanocrystal. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18667-18675.	1.5	45
67	Nanocomposite mesoporous ordered films for lab-on-chip intrinsic surface enhanced Raman scattering detection. <i>Nanoscale</i> , 2011, 3, 3760.	2.8	45
68	Ultrastructural Evidence for a Role of Astrocytes and Glycogen-Derived Lactate in Learning-Dependent Synaptic Stabilization. <i>Cerebral Cortex</i> , 2020, 30, 2114-2127.	1.6	44
69	ZnFe ₂ O ₄ nanoparticles dispersed in a highly porous silica aerogel matrix: a magnetic study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4843.	1.3	43
70	The structure of DNA by direct imaging. <i>Science Advances</i> , 2015, 1, e1500734.	4.7	42
71	Magnetic and Structural Investigation of Highly Porous CoFe ₂ O ₄ -SiO ₂ Nanocomposite Aerogels. <i>Journal of Physical Chemistry C</i> , 2007, 111, 916-922.	1.5	39
72	Inhibiting pathologically active ADAM10 rescues synaptic and cognitive decline in Huntington's disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 2390-2403.	3.9	38

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73	Colloidal CdSe/Cu ₃ P/CdSe Nanocrystal Heterostructures and Their Evolution upon Thermal Annealing. ACS Nano, 2013, 7, 3997-4005.	7.3	36
74	Characterization of FeCo/SiO ₂ Nanocomposite Films Prepared by Sol-Gel Dip Coating. Chemistry of Materials, 2003, 15, 2201-2207.	3.2	35
75	Monolayers of gold nanostars with two near-IR LSPRs capable of additive photothermal response. Chemical Communications, 2015, 51, 12928-12930.	2.2	35
76	Complex structures arising from the self-assembly of a simple organic salt. Nature, 2021, 590, 275-278.	13.7	34
77	Pharmacological Modulation of AMPAR Rescues Intellectual Disability-Like Phenotype in Tm4sf2 ^{+/y} Mice. Cerebral Cortex, 2017, 27, 5369-5384.	1.6	33
78	Investigation of the precursors of ⁵⁷ Fe-Fe ₂ O ₃ in Fe ₂ O ₃ /SiO ₂ nanocomposites obtained through sol-gel. Journal of Non-Crystalline Solids, 2001, 286, 64-73.	1.5	32
79	Nanocrystalline iron-cobalt alloys supported on a silica matrix prepared by the sol-gel method. Journal of Non-Crystalline Solids, 2001, 293-295, 1-9.	1.5	31
80	The influence of composition and porosity on the magnetic properties of FeCo/SiO ₂ nanocomposite aerogels. Physical Chemistry Chemical Physics, 2008, 10, 1043-1052.	1.3	31
81	Magnetic Force Microscopy and Energy Loss Imaging of Superparamagnetic Iron Oxide Nanoparticles. Scientific Reports, 2011, 1, 202.	1.6	31
82	Complex electrical spiking activity in resistive switching nanostructured Au two-terminal devices. Nanotechnology, 2020, 31, 234001.	1.3	31
83	Solvent-free covalent functionalization of multi-walled carbon nanotubes and nanodiamond with diamines: Looking for cross-linking effects. Applied Surface Science, 2012, 259, 465-476.	3.1	30
84	Hybrid Assemblies of Fluorescent Nanocrystals and Membrane Proteins in Liposomes. Langmuir, 2014, 30, 1599-1608.	1.6	30
85	Nanochains Formation of Superparamagnetic Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 7249-7254.	1.5	29
86	Tactile multisensing on flexible aluminum nitride. Analyst, The, 2012, 137, 5260.	1.7	29
87	Writing and Functionalisation of Suspended DNA Nanowires on Superhydrophobic Pillar Arrays. Small, 2015, 11, 134-140.	5.2	29
88	Near Equiatomic FeCo Nanocrystalline Alloy Embedded in an Alumina Aerogel Matrix: Microstructural Features and Related Magnetic Properties. Journal of Physical Chemistry B, 2005, 109, 23888-23895.	1.2	28
89	An Organometallic Approach for Very Small Maghemite Nanoparticles: Synthesis, Characterization, and Magnetic Properties. ChemPhysChem, 2008, 9, 2035-2041.	1.0	28
90	Structural and Magnetic Characterization of Co and Ni Silicate Hydroxides in Bulk and in Nanostructures within Silica Aerogels. Chemistry of Materials, 2009, 21, 945-953.	3.2	28

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91	Phototransport in networks of tetrapod-shaped colloidal semiconductor nanocrystals. <i>Nanoscale</i> , 2010, 2, 2171.	2.8	28
92	Self-organization of mono- and bi-modal PbS nanocrystal populations in superlattices. <i>CrystEngComm</i> , 2011, 13, 3988.	1.3	28
93	Synthesis and plasmonic properties of monodisperse Au-Ag alloy nanoparticles of different compositions from a single-source organometallic precursor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2975.	2.7	28
94	Exfoliated Graphene into Highly Ordered Mesoporous Titania Films: Highly Performing Nanocomposites from Integrated Processing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 795-802.	4.0	27
95	From trash to resource: recovered-Pd from spent three-way catalysts as a precursor of an effective photo-catalyst for H ₂ production. <i>Green Chemistry</i> , 2016, 18, 2745-2752.	4.6	26
96	ROS and Lipid Droplet accumulation induced by high glucose exposure in healthy colon and Colorectal Cancer Stem Cells. <i>Genes and Diseases</i> , 2020, 7, 620-635.	1.5	26
97	Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6143-6152.	1.5	25
98	Cu ₂ Se and Cu Nanocrystals as Local Sources of Copper in Thermally Activated <i>In Situ</i> Cation Exchange. <i>ACS Nano</i> , 2016, 10, 2406-2414.	7.3	23
99	Iron-Cobalt Alloy Nanoparticles Embedded in an Alumina Xerogel Matrix. <i>Chemistry of Materials</i> , 2005, 17, 6486-6491.	3.2	22
100	Preparation of Mn, Ni, Co Ferrite Highly Porous Silica Nanocomposite Aerogels by an Urea-Assisted Sol-Gel Procedure. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1008-1016.	0.9	22
101	Dependence of the Ce(III)/Ce(IV) ratio on intracellular localization in ceria nanoparticles internalized by human cells. <i>Nanoscale</i> , 2017, 9, 1527-1538.	2.8	22
102	In situ synthesis of cobalt nanoparticles in functionalized liquid crystalline polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 6988.	6.7	21
103	Optical and electrical properties of colloidal (spherical Au)-(spinel ferrite nanorod) heterostructures. <i>Nanoscale</i> , 2011, 3, 4647.	2.8	21
104	Acquisition and expression of conditioned taste aversion differentially affects extracellular signal regulated kinase and glutamate receptor phosphorylation in rat prefrontal cortex and nucleus accumbens. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 153.	1.0	20
105	Crystallization of TiO ₂ Nanotubes by In Situ Heating TEM. <i>Nanomaterials</i> , 2018, 8, 40.	1.9	20
106	Magnetic properties of maghemite nanoparticles in a polyvinylpyridine matrix. <i>Polyhedron</i> , 2003, 22, 2457-2461.	1.0	19
107	EELS investigation of FeCo/SiO ₂ nanocomposites. <i>Journal of Microscopy</i> , 2003, 210, 80-88.	0.8	18
108	Magnetic properties of nanocrystalline CoFe ₂ O ₄ dispersed in amorphous silica. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1561-1562.	1.0	18

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109	Synthesis and characterisation of metal oxides nanoparticles entrapped in cyclodextrin. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 719-722.	1.9	18
110	Non-Stoichiometric CoFe ₂ O ₄ Nanoparticles Supported on an Amorphous Silica Matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 463-466.	1.1	17
111	Temperature and Size Dependence of the Optical Properties of Tetrapod-Shaped Colloidal Nanocrystals Exhibiting Type-II Transitions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18094-18104.	1.5	17
112	Unexpected Insights about Cation-Exchange on Metal Oxide Nanoparticles and Its Effect on Their Magnetic Behavior. <i>Chemistry of Materials</i> , 2018, 30, 8099-8112.	3.2	17
113	Determining the maximum lanthanum incorporation in the fluorite structure of La-doped ceria nanocubes for enhanced redox ability. <i>RSC Advances</i> , 2019, 9, 6745-6751.	1.7	17
114	Hybrid Co-Au Nanorods: Controlling Au Nucleation and Location. <i>Angewandte Chemie</i> , 2007, 119, 7209-7211.	1.6	16
115	EDS, HRTEM/STEM, and X-ray Absorption Spectroscopy Studies of Co-Substituted Maghemite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9496-9506.	1.5	16
116	Laboratory injection molder for the fabrication of polymeric porous poly-epsilon-caprolactone scaffolds for preliminary mesenchymal stem cells tissue engineering applications. <i>Microelectronic Engineering</i> , 2017, 175, 12-16.	1.1	16
117	Synthesis of reduced-size gold nanostars and internalization in SH-SY5Y cells. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1055-1064.	5.0	16
118	Ag surface segregation in nanoporous Au catalysts during CO oxidation. <i>Scientific Reports</i> , 2018, 8, 15208.	1.6	16
119	Anomalous electrical conduction and negative temperature coefficient of resistance in nanostructured gold resistive switching films. <i>Scientific Reports</i> , 2020, 10, 19613.	1.6	16
120	Mesoporous Strontium-Doped Phosphate-Based Sol-Gel Glasses for Biomedical Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 249.	1.8	16
121	Preparation and Characterization of FeCo-Al ₂ O ₃ and Al ₂ O ₃ Aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 83-86.	1.1	15
122	Organometallic Synthesis of FeCoAl Nanoparticles and FeCoAl/Al Nanoparticles and Their Behaviour upon Air Exposure. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1599-1603.	1.0	15
123	Iron-cobalt nanocrystalline alloy supported on a cubic mesostructured silica matrix: FeCo/SBA-16 porous nanocomposites. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3489-3501.	0.8	15
124	Optical, Electrochemical, and Structural Properties of Er-Doped Porous Silicon. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11256-11260.	1.5	14
125	Nanocomposite Pattern-Mediated Magnetic Interactions for Localized Deposition of Nanomaterials. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7253-7257.	4.0	14
126	Rod-shaped nanostructures based on superparamagnetic nanocrystals as viscosity sensors in liquid. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	13

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127	Tuning light emission of PbS nanocrystals from infrared to visible range by cation exchange. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 055007.	2.8	13
128	Assembly of a photosynthetic reaction center with ABA tri-block polymersomes: highlights on protein localization. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1844-1852.	1.6	13
129	Synthesizing Iron Oxide Nanostructures: The Polyethylenimine (PEI) Role. <i>Crystals</i> , 2017, 7, 22.	1.0	13
130	A binary classifier based on a reconfigurable dense network of metallic nanojunctions. <i>Neuromorphic Computing and Engineering</i> , 2021, 1, 024007.	2.8	13
131	Striatal infusion of cholesterol promotes dose-dependent behavioral benefits and exerts disease-modifying effects in Huntington's disease mice. <i>EMBO Molecular Medicine</i> , 2020, 12, e12519.	3.3	13
132	Electrochemical impedance spectroscopy of oxidized porous silicon. <i>Thin Solid Films</i> , 2014, 556, 311-316.	0.8	12
133	Doping porous silicon with erbium: pores filling as a method to limit the Er-clustering effects and increasing its light emission. <i>Scientific Reports</i> , 2017, 7, 5957.	1.6	12
134	Highly efficient hydroamination of phenylacetylenes with anilines catalysed by gold nanoparticles embedded in nanoporous polymer matrix: Insight into the reaction mechanism by kinetic and DFT investigations. <i>Journal of Catalysis</i> , 2021, 400, 71-82.	3.1	12
135	Structural Investigation of Three-Dimensional Self-Assembled PbS Binary Superlattices. <i>Crystal Growth and Design</i> , 2010, 10, 3770-3774.	1.4	11
136	Quantum Dots: Synthesis and Characterization. , 2011, , 219-270.		11
137	Epitaxial growth and characterization of La ₂ Zr ₂ O ₇ multilayers on biaxially textured NiW substrate by chemical solution deposition under highly reducing conditions. <i>Thin Solid Films</i> , 2013, 531, 491-498.	0.8	11
138	Cubic Mesoporous Silica (SBA-16) Prepared Using Butanol as the Co-Surfactant: A General Matrix for the Preparation of FeCo-SiO ₂ Nanocomposites. <i>ChemPlusChem</i> , 2013, 78, 364-374.	1.3	11
139	Direct sol-gel synthesis of doped cubic mesoporous SBA-16 monoliths. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 157-166.	2.2	11
140	The spontaneous formation and plasmonic properties of ultrathin gold-silver nanorods and nanowires stabilized in oleic acid. <i>Chemical Communications</i> , 2015, 51, 16691-16694.	2.2	11
141	NIR multiphoton ablation of cancer cells, fluorescence quenching and cellular uptake of dansyl-glutathione-coated gold nanoparticles. <i>Scientific Reports</i> , 2020, 10, 11380.	1.6	11
142	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. <i>Molecules</i> , 2020, 25, 3494.	1.7	11
143	3D Ruthenium Nanoparticle Covalent Assemblies from Polymantane Ligands for Confined Catalysis. <i>Chemistry of Materials</i> , 2020, 32, 2365-2378.	3.2	11
144	ADAM10 hyperactivation acts on piccolo to deplete synaptic vesicle stores in Huntington's disease. <i>Human Molecular Genetics</i> , 2021, 30, 1175-1187.	1.4	11

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145	Occupational Fine/Ultrafine Particles and Noise Exposure in Aircraft Personnel Operating in Airport Taxiway. <i>Environments - MDPI</i> , 2019, 6, 35.	1.5	10
146	Fabrication of Nanoporous Al by Vapor-Phase Dealloying: Morphology Features, Mechanical Properties and Model Predictions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6639.	1.3	10
147	Microvilli Adhesion: An Alternative Route for Nanoparticle Cell Internalization. <i>ACS Nano</i> , 2021, 15, 15803-15814.	7.3	10
148	A structural study of Sr metaphosphate glass by anomalous X-ray scattering and EXAFS spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 607-612.	1.5	9
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