

Shinya Maenosono

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141
papers

3,535
citations

30
h-index

54
g-index

151
ext. papers

3,918
ext. citations

3.6
avg, IF

5.35
L-index

#	Paper	IF	Citations
141	Semiconductor quantum dot/albumin complex is a long-life and highly photostable endosome marker. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 302, 496-501	3.4	285
140	Synthesis of core-shell gold coated magnetic nanoparticles and their interaction with thiolated DNA. <i>Nanoscale</i> , 2010 , 2, 2624-30	7.7	174
139	Theoretical assessment of FePt nanoparticles as heating elements for magnetic hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 1638-1642	2	169
138	Growth of a Semiconductor Nanoparticle Ring during the Drying of a Suspension Droplet. <i>Langmuir</i> , 1999 , 15, 957-965	4	154
137	Doxorubicin loaded dual pH- and thermo-responsive magnetic nanocarrier for combined magnetic hyperthermia and targeted controlled drug delivery applications. <i>Nanoscale</i> , 2016 , 8, 12152-61	7.7	141
136	Overview of Nanoparticle Array Formation by Wet Coating. <i>Journal of Nanoparticle Research</i> , 2003 , 5, 5-15	2.3	116
135	Synthesis of magnetic cobalt ferrite nanoparticles with controlled morphology, monodispersity and composition: the influence of solvent, surfactant, reductant and synthetic conditions. <i>Nanoscale</i> , 2015 , 7, 19596-610	7.7	106
134	Superparamagnetic FePt nanoparticles as excellent MRI contrast agents. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, L79-L83	2.8	99
133	Synthesis and Characterization of Magnetic Nanoalloys from Bimetallic Carbonyl Clusters. <i>Chemistry of Materials</i> , 2009 , 21, 3021-3026	9.6	94
132	Role of base in the formation of silver nanoparticles synthesized using sodium acrylate as a dual reducing and encapsulating agent. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9335-43	3.6	71
131	Photoinduced fluorescence enhancement in mono- and multilayer films of CdSe/ZnS quantum dots: dependence on intensity and wavelength of excitation light. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8613-8	3.4	67
130	Photoinduced Fluorescence Enhancement in CdSe/ZnS Quantum Dot Submonolayers Sandwiched between Insulating Layers: Influence of Dot Proximity. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13258-13264	3.4	66
129	Silver nanoparticle loaded TiO ₂ nanotubes with high photocatalytic and antibacterial activity synthesized by photoreduction method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 352, 106-112	4.7	65
128	X-ray Absorption Near-Edge Structure and X-ray Photoelectron Spectroscopy Studies of Interfacial Charge Transfer in Gold/Silver-Gold Double-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4511-4516	3.8	59
127	Formation Mechanism of FePt Nanoparticles Synthesized via Pyrolysis of Iron(III) Ethoxide and Platinum(II) Acetylacetonate. <i>Chemistry of Materials</i> , 2005 , 17, 6624-6634	9.6	56
126	Synthesis and surface functionalization of Fe ₃ O ₄ -SiO ₂ core-shell nanoparticles with 3-glycidoxypropyltrimethoxysilane and 1,1'-carbonyldiimidazole for bio-applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 504, 376-383	5.1	55
125	Mutagenicity of water-soluble FePt nanoparticles in Ames test. <i>Journal of Toxicological Sciences</i> , 2007 , 32, 575-9	1.9	52

124	Mutagenicity of water-soluble ZnO nanoparticles in Ames test. <i>Journal of Toxicological Sciences</i> , 2009 , 34, 119-22	1.9	49
123	Chemical synthesis of blue-emitting metallic zinc nano-hexagons. <i>CrystEngComm</i> , 2013 , 15, 6606	3.3	48
122	Aqueous synthesis and characterization of Ag and Ag-Au nanoparticles: addressing challenges in size, monodispersity and structure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 4275-92	3	47
121	Chemical stabilization of gold coated by silver core-shell nanoparticles via electron transfer. <i>Nanotechnology</i> , 2012 , 23, 245704	3.4	45
120	FePt Nanoparticles with a Narrow Composition Distribution Synthesized via Pyrolysis of Iron(III) Ethoxide and Platinum(II) Acetylacetonate. <i>Chemistry of Materials</i> , 2005 , 17, 3705-3710	9.6	45
119	Optical Memory Media Based on Excitation-Time Dependent Luminescence from a Thin Film of Semiconductor Nanocrystals. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 4006-4012	1.4	45
118	Electronic transfer as a route to increase the chemical stability in gold and silver core-shell nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2012 , 185-186, 14-33	14.3	43
117	Modeling photoinduced fluorescence enhancement in semiconductor nanocrystal arrays. <i>Chemical Physics Letters</i> , 2003 , 376, 666-670	2.5	42
116	Charge-transfer-induced suppression of galvanic replacement and synthesis of (Au@Ag)@Au double shell nanoparticles for highly uniform, robust and sensitive bioprobes. <i>Applied Physics Letters</i> , 2011 , 99, 073107	3.4	41
115	In situ time-resolved XAFS study on the formation mechanism of Cu nanoparticles using poly(N-vinyl-2-pyrrolidone) as a capping agent. <i>Langmuir</i> , 2010 , 26, 4473-9	4	38
114	Surface-enhanced Raman spectroscopy for facile DNA detection using gold nanoparticle aggregates formed via photoligation. <i>Analyst, The</i> , 2010 , 135, 595-602	5	35
113	Solution-processed polymer-free photovoltaic devices consisting of PbSe colloidal quantum dots and tetrabenzoporphyrins. <i>Applied Physics Letters</i> , 2008 , 92, 173307	3.4	35
112	Influence of surface ligands on saturation magnetization of FePt nanoparticles. <i>Applied Physics Letters</i> , 2008 , 92, 093117	3.4	32
111	Ag/FeCo/Ag core/shell/shell magnetic nanoparticles with plasmonic imaging capability. <i>Langmuir</i> , 2015 , 31, 2228-36	4	30
110	Self-Assembling Process of Colloidal Particles into Two-Dimensional Arrays Induced by Capillary Immersion Force: A Simulation Study With Discrete Element Method. <i>Journal of Nanoparticle Research</i> , 2003 , 5, 103-110	2.3	30
109	Synthesis of high-quality Al-doped ZnO nanoink. <i>Journal of Applied Physics</i> , 2010 , 107, 014308	2.5	29
108	Effect of growth conditions on the structure of two-dimensional latex crystals: modeling. <i>Colloid and Polymer Science</i> , 1999 , 277, 1152-1161	2.4	29
107	Near-field optical recording on a CdSe nanocrystal thin film. <i>Nanotechnology</i> , 2003 , 14, 69-72	3.4	28

106	Facile synthesis of Mn-doped NiCoO nanoparticles with enhanced electrochemical performance for a battery-type supercapacitor electrode. <i>Dalton Transactions</i> , 2020 , 49, 6718-6729	4.3	26
105	Evaluation of genotoxicity of amine-terminated water-dispersible FePt nanoparticles in the Ames test and in vitro chromosomal aberration test. <i>Journal of Toxicological Sciences</i> , 2009 , 34, 349-54	1.9	26
104	Nonlinear Photoluminescence Behavior in Closely Packed CdSe Nanocrystal Thin Films. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L638-L641	1.4	26
103	Structure of GoldSilver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1957-1963	3.8	25
102	Intensification of surface enhanced Raman scattering of thiol-containing molecules using Ag@Au core@shell nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 109, 094301	2.5	25
101	Heteroatom-Doped Carbon Electrocatalysts Derived from Nanoporous Two-Dimensional Covalent Organic Frameworks for Oxygen Reduction and Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020 , 3, 5481-5488	5.6	24
100	Plasmon induced magneto-optical enhancement in metallic Ag/FeCo core/shell nanoparticles synthesized by colloidal chemistry. <i>Nanoscale</i> , 2018 , 10, 18672-18679	7.7	24
99	Formation of Pt decorated Ni-Pt nanocubes through low temperature atomic diffusion--time-resolved elemental analysis of nanoparticle formation. <i>Nanoscale</i> , 2015 , 7, 9927-34	7.7	23
98	One-pot synthesis and characterization of well defined core-shell structure of FePt@CdSe nanoparticles. <i>RSC Advances</i> , 2011 , 1, 100	3.7	23
97	Synthesis of Fine-Tuning Highly Magnetic xOy Nanoparticles through Continuous Injection and a Study of Magnetic Hyperthermia. <i>Chemistry of Materials</i> , 2018 , 30, 8897-8904	9.6	23
96	Effect of diamine treatment on the conversion efficiency of PbSe colloidal quantum dot solar cells. <i>Solid State Communications</i> , 2009 , 149, 1853-1855	1.6	22
95	High-performance nonvolatile write-once-read-many-times memory devices with ZnO nanoparticles embedded in polymethylmethacrylate. <i>Applied Physics Letters</i> , 2011 , 99, 233303	3.4	22
94	Oscillating fluorescence in an unstable colloidal dispersion of CdSe/ZnS core/shell quantum dots. <i>Langmuir</i> , 2004 , 20, 8916-23	4	22
93	Microstructure of Silica Particle Monolayer Films Formed by Capillary Immersion Force. <i>Journal of Nanoparticle Research</i> , 2003 , 5, 111-117	2.3	22
92	Boehmite nanorod/gold nanoparticle nanocomposite film for an easy-to-use optical humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2012 , 168, 429-435	8.5	21
91	Synthesis of delafossite CuAlO ₂ p-type semiconductor with a nanoparticle-based Cu(I) acetate-loaded boehmite precursor. <i>Materials Research Bulletin</i> , 2011 , 46, 1819-1827	5.1	20
90	Control of preferred (222) crystalline orientation of sputtered indium tin oxide thin films. <i>Thin Solid Films</i> , 2014 , 570, 16-19	2.2	19
89	Formation mechanism of magnetic plasmonic Ag@FeCo@Ag core-shell-shell nanoparticles: fact is more interesting than fiction. <i>CrystEngComm</i> , 2015 , 17, 6923-6929	3.3	19

88	Photoinduced fluorescence enhancement in CdSe/ZnS quantum dot monolayers: Influence of substrate. <i>Applied Physics Letters</i> , 2006 , 89, 031910	3.4	19
87	Metal (Au, Pt) Nanoparticle-Latex Nanocomposites as Probes for Immunochromatographic Test Strips with Enhanced Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31977-31987	9.5	19
86	Copper Sulfide/Zinc Sulfide Janus Nanoparticles and Their Seebeck Characteristics for Sustainable Thermoelectric Materials. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5869-5875	3.8	18
85	Amine-terminated water-dispersible FePt nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, L121-L124	2.8	18
84	Cation Distribution in Monodispersed MFe ₂ O ₄ (M = Mn, Fe, Co, Ni, and Zn) Nanoparticles Investigated by X-ray Absorption Fine Structure Spectroscopy: Implications for Magnetic Data Storage, Catalysts, Sensors, and Ferrofluids. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8389-8402	5.6	18
83	Bismuth, antimony and tellurium alloy nanoparticles with controllable shape and composition for efficient thermoelectric devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 52-58	1.6	17
82	Chemical ordering of FePt nanoparticles by pulsed laser annealing. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 6385-6394	1.8	17
81	Multicore magnetic FePt nanoparticles: controlled formation and properties. <i>RSC Advances</i> , 2014 , 4, 1039-1044	3.7	16
80	Magnetic Plasmonic FePt@Ag Core/Shell Nanoparticles and Their Magnetic and SERS Properties. <i>Plasmonics</i> , 2013 , 8, 1177-1184	2.4	16
79	Comparative trial of saccharin-added electrolyte for improving the structure of an electrodeposited magnetic FeCoNi thin film. <i>Thin Solid Films</i> , 2017 , 642, 51-57	2.2	16
78	Enhanced electronic properties of Pt@Ag heterostructured nanoparticles. <i>Sensors</i> , 2013 , 13, 7813-26	3.8	16
77	Self-organized pattern formation of a bacteria colony modeled by a reaction diffusion system and nucleation theory. <i>Physical Review Letters</i> , 2003 , 90, 258102	7.4	16
76	Catalytic activation of peroxymonosulfate with manganese cobaltite nanoparticles for the degradation of organic dyes.. <i>RSC Advances</i> , 2020 , 10, 3775-3788	3.7	16
75	Influence of addition of indium and of post-annealing on structural, electrical and optical properties of gallium-doped zinc oxide thin films deposited by direct-current magnetron sputtering. <i>Thin Solid Films</i> , 2015 , 583, 201-204	2.2	15
74	Organometallic Synthesis of InP Quantum Dots Using Tris(dimethylamino)phosphine as a Phosphorus Source. <i>Chemistry Letters</i> , 2004 , 33, 1492-1493	1.7	15
73	Exchange bias in Ag/FeCo/Ag core/shell/shell nanoparticles due to partial oxidation of FeCo intermediate shell. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 339-344	2.8	14
72	COF-Derived N,P Co-Doped Carbon as a Metal-Free Catalyst for Highly Efficient Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2019 , 5, 957-963	3.5	13
71	Growth dynamics of Bacillus circulans colony. <i>Journal of Theoretical Biology</i> , 2003 , 225, 91-7	2.3	13

70	Rapid Millifluidic Synthesis of Stable High Magnetic Moment FeC Nanoparticles for Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28520-28531	9.5	12
69	Sustainable thermoelectric materials fabricated by using Cu ₂ Sn _{1-x} Zn _x S ₃ nanoparticles as building blocks. <i>Applied Physics Letters</i> , 2017 , 111, 263105	3.4	12
68	Direct measurement of the viscous force between two spherical particles trapped in a thin wetting film. <i>Colloid and Polymer Science</i> , 1999 , 277, 993-996	2.4	12
67	AuFePt Ternary Homogeneous Alloy Nanoparticles with Magnetic and Plasmonic Properties. <i>Langmuir</i> , 2017 , 33, 1687-1694	4	11
66	Peak shape analysis of Ag 3d core-level X-ray photoelectron spectra of Au@Ag core-shell nanoparticles using an asymmetric Gaussian Lorentzian mixed function. <i>Surface and Interface Analysis</i> , 2012 , 44, 1611-1614	1.5	11
65	Study on formation mechanism and ligand-directed architectural control of nanoparticles composed of Bi, Sb and Te: towards one-pot synthesis of ternary (Bi,Sb) ₂ Te ₃ nanobuilding blocks. <i>RSC Advances</i> , 2011 , 1, 1089	3.7	11
64	Intensified blinking, continuous memory loss, and fluorescence enhancement of interacting light-emission quantum dots. <i>Physical Review B</i> , 2009 , 80,	3.3	11
63	Angular dependence in the transmittance from self-organized striped pattern of refractive indices in photopolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 216-225	2.6	11
62	Microwave-Assisted Polyol Synthesis of Pt/Pd and Pt/Rh Bimetallic Nanoparticles in Polymer Solutions Prepared by Batch and Continuous-Flow Processing. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 179-190	3.9	11
61	Enhancement of the Thermoelectric Figure of Merit in Blended Cu ₂ Sn _{1-x} Zn _x S ₃ Nanobulk Materials. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4819-4827	5.6	10
60	Novel nickel-palladium catalysts encased in a platinum nanocage. <i>RSC Advances</i> , 2014 , 4, 26667-26672	3.7	10
59	Nonlinear Time-Series Analysis of Photoinduced Fluorescence Oscillation in a Water Dispersion of Colloidal Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 2645-2650	3.4	10
58	Near-infrared-emitting Cd(x)Hg(1-x)Se nanorods fabricated by ion exchange in an aqueous medium. <i>ChemPhysChem</i> , 2013 , 14, 2853-8	3.2	9
57	A Study on the Plasmonic Properties of Silver Core Gold Shell Nanoparticles: Optical Assessment of the Particle Structure. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 065004	1.4	9
56	The mode transition of the bacterial colony. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 313, 609-624	3.3	9
55	Chalcopyrite nanocomposite material for sustainable thermoelectrics. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 120301	1.4	8
54	Monte-Carlo simulations of photoinduced fluorescence enhancement in semiconductor quantum dot arrays. <i>Chemical Physics Letters</i> , 2005 , 405, 182-186	2.5	8
53	Elucidation of the Complex Structure of Nanoparticles Composed of Bismuth, Antimony, and Tellurium Using Scanning Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17334-17340	3.8	7

52	Development of magnetic separation system of magnetoliposomes. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 1840-1844	1.3	7
51	Different Directions of Switching of Chromium Oxide Thin Films. <i>Journal of Electronic Materials</i> , 2014 , 43, 2747-2753	1.9	6
50	Collective Fluorescence Oscillation in a Water Dispersion of Colloidal Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L310-L313	1.4	6
49	Ultrafast Exciton Dynamics in Cd x Hg (1-x) Te alloy Quantum Dots. <i>Chemical Physics</i> , 2016 , 469-470, 25-30	2.3	5
48	Gram-Scale Synthesis of Tetrahedrite Nanoparticles and Their Thermoelectric Properties. <i>Langmuir</i> , 2019 , 35, 16335-16340	4	5
47	Gold/Wurtzite core-shell nanoparticles: suppression of iron oxidation through the electron-transfer phenomenon. <i>ChemPhysChem</i> , 2013 , 14, 3278-83	3.2	5
46	Magnetic Separation of Autophagosomes from Mammalian Cells Using Magnetic-Plasmonic Hybrid Nanobeads. <i>ACS Omega</i> , 2017 , 2, 4929-4937	3.9	5
45	Chalcopyrite Nanoparticles as a Sustainable Thermoelectric Material. <i>Nanomaterials</i> , 2015 , 5, 1820-1830	5.4	5
44	One-pot Chemical Synthesis of Zinc Antimonide Nanoparticles as Building Blocks for Nanostructured Thermoelectric Materials. <i>Chemistry Letters</i> , 2012 , 41, 1529-1531	1.7	5
43	Attenuation of surface-enhanced Raman scattering of magnetic plasmonic FePt@Ag core-shell nanoparticles due to an external magnetic field. <i>Chemical Physics Letters</i> , 2013 , 574, 94-99	2.5	5
42	An influence of bottom electrode material on electrical conduction and resistance switching of TiOx thin films. <i>EPJ Applied Physics</i> , 2013 , 64, 30102	1.1	5
41	Spontaneous photoluminescence oscillation in a colloidal dispersion of CdSe/ZnS core/shell nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 24, 74-77	3	5
40	Effects of Frictional Force on the Formation of Colloidal Particle Monolayer during Drying Study Using Discrete Element Method [Translated] <i>KONA Powder and Particle Journal</i> , 2006 , 24, 192-202	3.4	5
39	A Study on the Plasmonic Properties of Silver Core Gold Shell Nanoparticles: Optical Assessment of the Particle Structure. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 065004	1.4	5
38	Nanobulk Thermoelectric Materials Fabricated from Chemically Synthesized CuZn Al SnS Nanocrystals. <i>ACS Omega</i> , 2019 , 4, 16402-16408	3.9	4
37	Influence of surface ligands on the electronic structure of Fe-Pt clusters: A density functional theory study. <i>Physical Review B</i> , 2011 , 83,	3.3	4
36	Quantitative two-dimensional strain mapping of small core-shell FePt@Fe3O4 nanoparticles. <i>New Journal of Physics</i> , 2016 , 18, 033016	2.9	4
35	Colloid Chemical Approach for Fabricating CuFe Nanobulk Thermoelectric Materials by Blending Cu2S and FeS Nanoparticles as Building Blocks. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3688-3697	3.9	4

34	Following the Formation of Silver Nanoparticles Using X-ray Absorption Spectroscopy. <i>ACS Omega</i> , 2020 , 5, 13664-13671	3.9	3
33	Photoinduced fluorescence intensity oscillation in a reaction-diffusion cell containing a colloidal quantum dot dispersion. <i>Journal of Chemical Physics</i> , 2006 , 125, 114705	3.9	3
32	Equiatomic FePt nanoparticles synthesized via pyrolysis of iron(III) ethoxide and platinum(II) acetylacetonate. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1206-1210	1.6	3
31	Quick and Mild Isolation of Intact Lysosomes Using Magnetic-Plasmonic Hybrid Nanoparticles.. <i>ACS Nano</i> , 2022 ,	16.7	3
30	Enhancing the Sensitivity of Lateral Flow Immunoassay by Magnetic Enrichment Using Multifunctional Nanocomposite Probes. <i>Langmuir</i> , 2021 , 37, 6566-6577	4	3
29	Transition of exchange bias from the linear to oscillatory regime with the progression of surface oxidation of Ag@FeCo@Ag core@shell@shell nanoparticles. <i>Journal of Applied Physics</i> , 2016 , 120, 134301 ⁵	2.5	3
28	Characterization of Metallic Nanoparticles Based on the Abundant Usages of X-ray Techniques 2015 , 1-24		2
27	Effect of Gallium Substitution in Cu ₃ Al _{1-x} Ga _x Sn ₅ Nanobulk Materials on Thermoelectric Properties. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5784-5791	6.1	2
26	Chemical Synthesis of Binary Solid Solution BismuthAntimony Nanoparticles with Control of Composition and Morphology. <i>Chemistry Letters</i> , 2014 , 43, 615-617	1.7	2
25	Wet-chemical preparation of digold bismuthide, gold diantimonide, and gold ditelluride particles. <i>Journal of Materials Research</i> , 2013 , 28, 2106-2112	2.5	2
24	Field-induced control of universal fluorescence intermittency of a quantum dot light emitter. <i>Journal of Chemical Physics</i> , 2010 , 133, 074703	3.9	2
23	One-pot synthesis of Au-M@SiO (M = Rh, Pd, Ir, Pt) core-shell nanoparticles as highly efficient catalysts for the reduction of 4-nitrophenol.. <i>Scientific Reports</i> , 2022 , 12, 7615	4.9	2
22	A study of the properties of core/shell/shell Ag/FeCo/Ag nanoparticles. <i>Physics of the Solid State</i> , 2017 , 59, 2023-2029	0.8	1
21	Synthesis and Characterization of Copper Sulfide-Manganese Sulfide Nanoparticles with Chestnut Morphology and Study on the Semiconducting Properties. <i>ChemistrySelect</i> , 2019 , 4, 3898-3904	1.8	1
20	Synthesis and Characterization of MagneticPlasmonic Hybrid Nanoparticles 2019 , 61-82		1
19	Harvesting Nanocatalytic Heat Localized in Nanoalloy Catalyst as a Heat Source in a Nanocomposite Thin Film Thermoelectric Device. <i>Langmuir</i> , 2015 , 31, 11158-63	4	1
18	Nanoparticle Building Blocks as a Foundation for Advanced Thermoelectric Energy Generators. <i>ACS Symposium Series</i> , 2015 , 41-54	0.4	1
17	Next Generation Magnetic Nanoparticles for Biomedical Applications 2012 , 99-126		1

16	Preparation of Al-doped ZnO Nanoparticulate Film for Optoelectronic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1247, 1		1
15	Thermoelectric properties of paracostibite fabricated using chemically synthesized Co ₃ Sb ₃ nanoparticles as building blocks. <i>AIP Advances</i> , 2020 , 10, 075021	1.5	1
14	FePt Nanoparticles as Promising Magnetic Nanobeads for Biomedical Applications. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014 , 61, S104-S110	0.2	0
13	Synthesis and Biomedical Applications of Multifunctional Magnetic Nanoparticles. <i>Hyomen Kagaku</i> , 2017 , 38, 35-41		
12	B22-P-07 Structural Analysis of Au Doped Titanium Disilicide using Cs-corrected Scanning Transmission Electron Microscopy. <i>Microscopy (Oxford, England)</i> , 2015 , 64, i106.1-i106	1.3	
11	Manipulation of the Electronic Properties of Gold and Silver Core-shell Nanoparticles. <i>ACS Symposium Series</i> , 2012 , 327-358	0.4	
10	Anisotropic Nanoparticles for Efficient Thermoelectric Devices 2012 , 521-543		
9	Synthesis, Fabrication, and Characterization of Multidimensional Nanoparticle Based Thermoelectric Materials Composed of Bismuth, Antimony, and Tellurium.. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1329, 1		
8	Synthesis of Size and Shape Controlled Silver Nanoparticles Coated by a Thin Layer of Gold and Their Use as Ultrasensitive Biomolecular Probes. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1253, 4		
7	Assembly of Ag@Au Nanoparticles Using Complementary Stranded DNA Molecules and Their Detection Using UV-Vis and RAMAN Spectroscopic Techniques. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1272, 1		
6	Design and Synthesis of One and Two Dimensional Thermoelectric Nanomaterials Composed of Bismuth, Antimony, and Tellurium. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1267, 1		
5	True Atomic Level Imaging of Shaped Nanoparticles Composed of Bismuth, Antimony and Tellurium using Scanning Transmission Electron Microscopy.. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1349, 140201		
4	Development of Coloration Technique for Gold Leaf Using Gold Nanoparticles as Coloring Materials and Porous Titanium Dioxide Thin Film as a Binder. <i>Journal of the Japan Society of Colour Material</i> , 2020 , 93, 101-104		0
3	Magnetic Nanoparticles for Organelle Separation 2018 , 229-246		
2	Characterization of Metallic Nanoparticles Based on the Abundant Usages of X-ray Techniques 2016 , 217-244		
1	Plasmonic-magnetic dual-functional graded nanoparticles with oxide shell passivation designed for bioapplications. <i>Applied Physics Express</i> , 2018 , 11, 105001	2.4	