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Wet chemical synthesis of silver nanorods and nanowires of controllable aspect ratio

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#	Paper	IF	Citations
1018	Wet Chemical Synthesis of High Aspect Ratio Cylindrical Gold Nanorods. 2001 , 105, 4065-4067		2170
1017	Formation of Silver Nanowires in Aqueous Solutions of a Double-Hydrophilic Block Copolymer. <i>Chemistry of Materials</i> , 2001 , 13, 2753-2755	9.6	183
1016	Photoinduced conversion of silver nanospheres to nanoprisms. 2001 , 294, 1901-3		2970
1015	The assembly of semiconductor sulfide nanocrystallites with organic reagents as templates. 2002 , 13, 741-745		31
1014	Synthesis and magnetic properties of CoPt/poly(methylmethacrylate) nanostructured composite material. 2002 , 91, 8816		31
1013	Noble and Coinage Metal Nanowires by Electrochemical Step Edge Decoration. 2002 , 106, 11407-11411		168
1012	Synthesis of Molybdenum Nanowires with Millimeter-Scale Lengths Using Electrochemical Step Edge Decoration. <i>Chemistry of Materials</i> , 2002 , 14, 3206-3216	9.6	109
1011	Synthesis of Size-Tunable Silver Iodide Nanowires in Reverse Micelles. 2002 , 18, 10503-10504		40
1010	Cuprite Nanowires by Electrodeposition from Lyotropic Reverse Hexagonal Liquid Crystalline Phase. <i>Chemistry of Materials</i> , 2002 , 14, 876-880	9.6	99
1009	Highly ordered monocrystalline silver nanowire arrays. 2002 , 91, 3243-3247		330
1008	Synthesis of silver nanodisks using polystyrene mesospheres as templates. 2002 , 124, 15182-3		207
1007	Gold Colloids from Cationic Surfactant Solutions. 1. Mechanisms That Control Particle Morphology. 2002 , 18, 3659-3668		89
1006	Mesoscopic Metal Particles and Wires by Electrodeposition. 2002 , 106, 3339-3353		341
1005	Silver Nanodisks: Synthesis, Characterization, and Self-Assembly. 2002 , 106, 10777-10781		315
1004	Uniform Silver Nanowires Synthesis by Reducing AgNO ₃ with Ethylene Glycol in the Presence of Seeds and Poly(Vinyl Pyrrolidone). <i>Chemistry of Materials</i> , 2002 , 14, 4736-4745	9.6	1293
1003	Controlling the Aspect Ratio of Inorganic Nanorods and Nanowires. 2002 , 14, 80-82		1086
1002	Laser Writing in Polarized Silver Nanorod Films. 2002 , 14, 1000-1004		132

1001	UV-photoactivation technique for size and shape controlled synthesis and annealing of stable gold nanoparticles in micelle. 2002 , 25, 509-511		3
1000	Modeling the optical response of nanoparticle-based surface plasmon resonance sensors. 2002 , 87, 244-249		136
999	Synthesis of silver nanowires by a sonoelectrochemical method. 2002 , 5, 242-244		33
998	Morphological evolution of silver crystals produced by reduction with ascorbic acid. 2002 , 241, 193-199		45
997	Synthesis and Characterization of Truncated Triangular Silver Nanoplates. 2002 , 2, 1003-1007		599
996	Crystalline Silver Nanowires by Soft Solution Processing. 2002 , 2, 165-168		1304
995	UV Photoactivation for Size and Shape Controlled Synthesis and Coalescence of Gold Nanoparticles in Micelles. 2002 , 18, 7792-7797		107
994	Solution-Phase Synthesis of Sub-10 nm AuAg Alloy Nanoparticles. 2002 , 2, 1235-1237		494
993	Synthesis of Coinage-Metal Nanoparticles from Mesityl Precursors. 2003 , 3, 901-905		82
992	Preparation and Growth Mechanism of Gold Nanorods (NRs) Using Seed-Mediated Growth Method. <i>Chemistry of Materials</i> , 2003 , 15, 1957-1962	9.6	4068
991	One-step construction of silver nanowires in hexagonal mesoporous silica using the polyol process. 2003 , 38, 389-394		51
990	Controlling synthesis of silver nanowires and dendrites in mixed surfactant solutions. 2003 , 268, 357-61		62
989	Synthesis and characterization of SnS nanowires in cetyltrimethylammoniumbromide (CTAB) aqueous solution. 2003 , 379, 67-73		86
988	Growth of silver nanowires on metal plates by conventional redox displacement. 2003 , 374, 645-649		15
987	Preparation of silver nanocrystals in the presence of aniline. 2003 , 258, 244-51		68
986	Phase transfer of silver nanoparticles from aqueous to organic solutions using fatty amine molecules. 2003 , 264, 396-401		146
985	Seed-mediated growth and properties of copper nanoparticles, nanoparticle 1D arrays and nanorods. 2003 , 66, 107-114		38
984	Plasmon resonant particles for biological detection. 2003 , 14, 13-22		321

983	The role of soft colloidal templates in controlling the size and shape of inorganic nanocrystals. 2003 , 2, 145-50	956
982	Controllable synthesis of nanocrystalline gold assembled whiskery structures via sonochemical route. 2003 , 257, 378-383	36
981	Fractal gold nanostructures produced by the spontaneous reduction of chloraurate ions in thermally evaporated hexadecylaniline thin films. 2003 , 14, 878-881	9
980	Aggregation-Based Fabrication and Assembly of Roughened Composite Metallic Nanoshells: Application in Surface-Enhanced Raman Scattering. 2003 , 19, 9490-9493	50
979	Tuning the Size of Silver Nanodisks with Similar Aspect Ratios: Synthesis and Optical Properties. 2003 , 107, 2466-2470	262
978	Biological applications of colloidal nanocrystals. 2003 , 14, R15-R27	626
977	Radiolytic Synthesis of Bimetallic AgPt Nanoparticles with a High Aspect Ratio. 2003 , 107, 2966-2970	79
976	From Complex Chains to 1D Metal Oxides: A Novel Strategy to Cu ₂ O Nanowires. 2003 , 107, 3697-3702	111
975	Is the Anion the Major Parameter in the Shape Control of Nanocrystals? 2003 , 107, 7492-7500	199
974	Electrochemical Synthesis of Silver Nanoparticles under Protection of Poly(N-vinylpyrrolidone). 2003 , 107, 8898-8904	414
973	Transformation of Silver Nanospheres into Nanobelts and Triangular Nanoplates through a Thermal Process. 2003 , 3, 675-679	680
972	Controllable Assembly of Ordered Semiconductor Ag ₂ S Nanostructures. 2003 , 3, 85-88	118
971	Inorganic nanowires. 2003 , 31, 5-147	654
970	Enhancing and Quenching Functions of Silver Nanoparticles on the Luminescent Properties of Europium Complex in the Solution Phase. 2003 , 107, 9161-9164	116
969	Dependence of the Gold Nanorod Aspect Ratio on the Nature of the Directing Surfactant in Aqueous Solution. 2003 , 19, 9065-9070	517
968	Polyol Synthesis of Uniform Silver Nanowires: A Plausible Growth Mechanism and the Supporting Evidence. 2003 , 3, 955-960	1331
967	Growth of copper nanoparticles within VO _x nanotubes. 2003 , 57, 3005-3009	20
966	Preparation of Oxide Nanocrystals with Tunable Morphologies by the Moderate Hydrothermal Method: Insights from Rutile TiO ₂ . 2003 , 19, 967-971	164

965	Synthesis and optical properties of colloidal tungsten oxide nanorods. 2003 , 125, 3408-9	310
964	More Recent Progress in the Preparation of Au Nanostructures, Properties, and Applications. 2003 , 36, 3097-3118	48
963	Gold nanosheets via reduction of aqueous chloraurate ions by anthracene anions bound to a liquid-liquid interface. <i>Chemical Communications</i> , 2003 , 1236-7	5.8 28
962	Formation of assembled silver nanowires by reduction of silver thiolate in polyol/toluene medium. <i>Chemical Communications</i> , 2003 , 2216-7	5.8 40
961	Seed-Mediated Synthesis of Gold Nanorods: Role of the Size and Nature of the Seed. <i>Chemistry of Materials</i> , 2004 , 16, 3633-3640	9.6 770
960	What Factors Control the Size and Shape of Silver Nanoparticles in the Citrate Ion Reduction Method?. 2004 , 108, 945-951	606
959	Seeded high yield synthesis of short Au nanorods in aqueous solution. 2004 , 20, 6414-20	1180
958	Dextran-Controlled Crystallization of Silver Microcrystals with Novel Morphologies. 2004 , 4, 1371-1375	44
957	Hydrophobic, organically dispersible gold nanoparticles of variable shape produced by the spontaneous reduction of aqueous chloraurate ions by hexadecylaniline molecules. 2004 , 279, 124-31	25
956	Seed-mediated synthesis of silver nanostructures and polymer/silver nanocables by UV irradiation. 2004 , 273, 285-291	61
955	Preparation and self-assembly of copper nanoparticles via discharge of copper rod electrodes in a surfactant solution: a combination of physical and chemical processes. 2004 , 177, 3743-3747	57
954	One-dimensional shape-controlled preparation of porous Cu ₂ O nano-whiskers by using CTAB as a template. 2004 , 177, 4640-4647	101
953	Photochemical deposition of SERS active silver nanoparticles on silica gel. 2004 , 162, 625-632	31
952	In-situ observation of nanowire growth from luminescent CdTe nanocrystals in a phosphate buffer solution. 2004 , 5, 1600-2	56
951	A simple mixed surfactant route for the preparation of noble metal dendrites. 2004 , 260, 255-262	44
950	Seed-mediated synthesis of uniform ZnO nanorods in the presence of polyethylene glycol. 2004 , 270, 527-534	45
949	A convenient phase transfer route for Ag nanoparticles. 2004 , 23, 92-96	25
948	Silica gels with tailored, gold nanorod-driven optical functionalities. 2004 , 226, 137-143	68

947	The formation of monodisperse spherical silver particles. 2004 , 242, 175-179	23
946	Phase transfer of Ag nanoparticles by help of centrifugation. 2004 , 242, 145-149	16
945	Flat gold nanostructures by the reduction of chloroaurate ions constrained to a monolayer at the air/water interface. 2004 , 14, 709-714	24
944	Variation in morphology of gold nanoparticles synthesized by the spontaneous reduction of aqueous chloroaurate ions by alkylated tyrosine at a liquid/liquid and air/water interface. 2004 , 14, 2696	33
943	Nanomaterials Production by Soft Chemistry. 2004 , 1-21	
942	Anisotropic copper nanocrystals synthesized in a supersaturated medium: nanocrystal growth. 2004 , 20, 11772-7	83
941	Size-controlled synthesis and growth mechanism of monodisperse tellurium nanorods by a surfactant-assisted method. 2004 , 20, 214-8	147
940	Optical Properties of Metal Nanoshells. 2004 , 108, 1224-1229	259
939	Simple Template-Free Solution Route for the Controlled Synthesis of Cu(OH) ₂ and CuO Nanostructures. 2004 , 108, 17825-17831	287
938	Immobilization of gold nanorods onto acid-terminated self-assembled monolayers via electrostatic interactions. 2004 , 20, 7117-22	115
937	Seed-mediated synthesis of silver with skeleton structures. 2004 , 58, 1121-1126	4
936	Microwave-assisted polythiol reduction method: a new solid/liquid route to fast preparation of silver nanowires. 2004 , 58, 1517-1519	29
935	Silver Nanoplates: Size Control in Two Dimensions and Formation Mechanisms. 2004 , 108, 5500-5506	228
934	Wet Chemical Synthesis of Silver Nanowire Thin Films at Ambient Temperature. <i>Chemistry of Materials</i> , 2004 , 16, 872-876	9.6 120
933	Electromagnetic fields around silver nanoparticles and dimers. 2004 , 120, 357-66	1566
932	CTAB-controlled Synthesis of One-dimensional Selenium Nanostructures. 2004 , 33, 1054-1055	18
931	Gold Nanowire Formation of 2-Dimensional Network Structure with Electric Conductivity. 2004 , 37, 604-608	7
930	Gold tubes membrane with novel morphology replicated from ZnO template. 2005 , 178, 1765-1772	10

929	Study on the non-linear refraction of silver nanoparticles with aggregation effect. 2005 , 249, 311-317	18
928	Silver nanowires with five-fold symmetric cross-section. 2005 , 276, 606-612	93
927	Gold nanorods: Synthesis, characterization and applications. 2005 , 249, 1870-1901	1640
926	Self-assembly of anisotropic tethered nanoparticle shape amphiphiles. 2005 , 10, 287-295	150
925	Preparation of Noble Metal Colloids and Selected Structures. 2005 , 1-24	1
924	Rapid deposition of triangular silver nanoplates on planar surfaces: application to metal-enhanced fluorescence. 2005 , 109, 6247-51	180
923	Shape-controlled synthesis of copper colloids with a simple chemical route. 2005 , 109, 15803-7	48
922	Organosulfur-functionalized Au, Pd, and Au-Pd nanoparticles on 1D silicon nanowire substrates: preparation and XAFS studies. 2005 , 21, 8502-8	35
921	Synthesis of CTABIPA reduced copper nanoparticles. 2005 , 91, 507-512	97
920	A template-free oxide reduction route to silver nanowires. 2005 , 59, 1409-1412	10
919	Novel low-temperature synthesis of tin(0) nanoparticles. 2005 , 59, 1080-1084	21
918	Surfactant-assisted electrochemical method for dendritic silver nanocrystals with advanced structure. 2005 , 59, 2289-2291	28
917	Morphosynthesis of rhombododecahedral silver cages by self-assembly coupled with precursor crystal templating. 2005 , 44, 598-603	165
916	Morphosynthesis of Rhombododecahedral Silver Cages by Self-Assembly Coupled with Precursor Crystal Templating. 2005 , 117, 604-609	8
915	Mechanisms Controlling Crystal Habits of Gold and Silver Colloids. 2005 , 15, 1197-1208	506
914	Seed-Mediated Growth of Bimetallic Prisms. 2005 , 17, 1027-1031	90
913	Crystal overgrowth on gold nanorods: tuning the shape, facet, aspect ratio, and composition of the nanorods. 2005 , 11, 910-6	169
912	Metal-enhanced fluorescence using anisotropic silver nanostructures: critical progress to date. 2005 , 382, 926-33	140

911	Silver nanoparticles of variable morphology synthesized in aqueous foams as novel templates. 2005 , 28, 503-510		39
910	Shape-controlled Synthesis of Gold Nanoparticles from Gold(III)-chelates of β -diketones. 2005 , 7, 641-650		14
909	Production of Ultrafine Single-Crystal Copper Wires through Electron Beam Irradiation of Cu-containing Zeolite X. 2005 , 631, 443-447		15
908	Gram-scale synthesis of soluble, near-monodisperse gold nanorods and other anisotropic nanoparticles. 2005 , 1, 875-82		323
907	Fabrication of two-dimensional staggered silver nanosheets on an aluminium foil. 2005 , 16, 791-796		18
906	Synthesis of gold nano- and microplates in hexagonal liquid crystals. 2005 , 109, 3189-94		179
905	Shape and Size Control of Regularly Arrayed Nanodots Fabricated Using Ultrathin Alumina Masks. <i>Chemistry of Materials</i> , 2005 , 17, 580-585	9.6	99
904	Anisotropic Growth of Silver Crystals with Ethylenediamine Tetraacetate and Formation of Planar and Stacked Wires. 2005 , 5, 1073-1077		21
903	Impacts that pH and metal ion concentration have on the synthesis of bimetallic and trimetallic nanorods from gold seeds. 2005 , 15, 2450		25
902	Polymerization in Surfactant Liquid Crystalline Phases. <i>Chemistry of Materials</i> , 2005 , 17, 2460-2465	9.6	20
901	New approaches to the synthesis of anisotropic, core-shell and hollow metal nanostructures. 2005 , 15, 3161		64
900	Monomer-Capped Tin Metal Nanoparticles for Anode Materials in Lithium Secondary Batteries. <i>Chemistry of Materials</i> , 2005 , 17, 3320-3324	9.6	58
899	Time-resolved and steady state spectroscopy of polydisperse colloidal silver nanoparticle samples. 2005 , 109, 14426-32		23
898	Seed-Mediated Synthesis of High Aspect Ratio Gold Nanorods with Nitric Acid. <i>Chemistry of Materials</i> , 2005 , 17, 6447-6451	9.6	140
897	Rapid Synthesis of Zinc Oxide and Lead Oxide Nanorods by One-Step Solid-State Reaction Methods at Ambient Conditions. 2005 , 475-479, 3579-3582		4
896	Controlled texturing modifies the surface topography and plasmonic properties of Au nanoshells. 2005 , 109, 11083-7		148
895	Investigations into sulfobetaine-stabilized Cu nanoparticle formation: toward development of a microfluidic synthesis. 2005 , 109, 9330-8		90
894	Surface plasmon resonances of silver triangle nanoplates: graphic assignments of resonance modes and linear fittings of resonance peaks. 2005 , 109, 17503-11		42

893	A new organometallic synthesis of size-controlled tin(0) nanoparticles. 2005 , 16, 1153-1158		23
892	Magnetic nanoparticles with hybrid shape. 2005 , 33, 137-145		21
891	Controlling the length and shape of gold nanorods. 2005 , 109, 19553-5		58
890	Growth mechanism of silver nanowires synthesized by polyvinylpyrrolidone-assisted polyol reduction. 2005 , 38, 1061-1067		138
889	Extremely Stable Water-Soluble Ag Nanoparticles. <i>Chemistry of Materials</i> , 2005 , 17, 4630-4635	9.6	224
888	Growth of silver nanowires from solutions: a cyclic penta-twinned-crystal growth mechanism. 2005 , 109, 9416-21		129
887	Fast and slow deposition of silver nanorods on planar surfaces: application to metal-enhanced fluorescence. 2005 , 109, 3157-62		192
886	One-step synthesis of silver nanoparticles, nanorods, and nanowires on the surface of DNA network. 2005 , 109, 8738-43		107
885	Polyelectrolyte-Coated Gold Nanorods: Synthesis, Characterization and Immobilization. <i>Chemistry of Materials</i> , 2005 , 17, 1325-1330	9.6	358
884	Silver-nanoparticle-attached indium tin oxide surfaces fabricated by a seed-mediated growth approach. 2005 , 109, 1204-9		74
883	Surfactant-Directed Synthesis and Optical Properties of One-Dimensional Plasmonic Metallic Nanostructures. 2005 , 30, 349-355		154
882	Electrochemical growth of two-dimensional gold nanostructures on a thin polypyrrole film modified ITO electrode. 2005 , 109, 23787-93		145
881	Biomimetic Mineralization/Synthesis of Mesoscale Order in Hybrid Inorganic/Organic Materials via Nanoparticle Self-Assembly. 2005 , 30, 727-735		65
880	Shape- and size-selective electrochemical synthesis of dispersed silver(I) oxide colloids. 2005 , 5, 2319-24		123
879	The role of twinning in shape evolution of anisotropic noble metal nanostructures. 2006 , 16, 3906		432
878	Right bipyramids of silver: a new shape derived from single twinned seeds. 2006 , 6, 765-8		331
877	Glycyl Glycine Templating Synthesis of Single-Crystal Silver Nanoplates. 2006 , 6, 2155-2158		65
876	Near-field optical properties of top-down and bottom-up nanostructures. 2006 , 8, S73-S86		38

875	Seed-mediated synthesis of branched gold nanoparticles with the assistance of citrate and their surface-enhanced Raman scattering properties. 2006 , 17, 4758-64	122
874	CTAB-assisted hydrothermal synthesis of Ag/C nanostructures. 2006 , 17, 3008-3011	42
873	Gold fractal structures spontaneously grown in sheared lamellar phase. 2006 , 16, 3552	17
872	Reverse micelles used as templates: a new understanding in nanocrystal growth. 2006 , 1, 13-27	83
871	Nanowires and Carbon Nanotubes. 2006 , 237-280	1
870	A simple method to synthesize triangular silver nanoparticles by light irradiation. 2006 , 64, 956-60	81
869	Anisotropic syntheses of boat-shaped core-shell Au/Ag nanocrystals and nanowires. 2006 , 17, 2304-2310	29
868	Aligned silver nanorod arrays for surface-enhanced Raman scattering. 2006 , 17, 2670-4	54
867	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. 2006 , 67-85	14
866	Bimetallic silver-gold nanowires: fabrication and use in surface-enhanced Raman scattering. 2006 , 16, 3929-3935	160
865	Gold nanorods: preparation, characterization, and applications to sensing and photonics. 2006 , 255-274	4
864	Large-Scale Synthesis, Growth Mechanism, and Photoluminescence of Ultrathin Te Nanowires. 2006 , 6, 2567-2570	91
863	Synthesis and characterization of stable organosols of silver nanoparticles by electrochemical dissolution of silver in DMSO. 2006 , 110, 20889-94	17
862	Formation of Flexible Ag/C Coaxial Nanocables through a Novel Solution Process. 2006 , 6, 2422-2426	34
861	A self-seeding coreduction method for shape control of silver nanoplates. 2006 , 17, 4929-4935	82
860	A thermodynamic model for the shape and stability of twinned nanostructures. 2006 , 110, 24498-504	97
859	Microfluidic continuous flow synthesis of rod-shaped gold and silver nanocrystals. 2006 , 8, 3824-7	120
858	Aspect ratio dependence on surface enhanced Raman scattering using silver and gold nanorod substrates. 2006 , 8, 165-70	403

857	Soft Synthesis of Inorganic Nanorods, Nanowires, and Nanotubes. 2006 , 101-158		1
856	Maneuvering the surface plasmon resonance of silver nanostructures through shape-controlled synthesis. 2006 , 110, 15666-75		814
855	pH-selective synthesis of monodisperse nanoparticles and 3D dendritic nanoclusters of CTAB-stabilized platinum for electrocatalytic O ₂ reduction. 2006 , 2, 870-3		58
854	Fabrication of gold nanorod self-assemblies from rod and sphere mixtures via shape self-selective behavior. 2006 , 432, 222-225		28
853	Rapid synthesis of small silver nanocubes by mediating polyol reduction with a trace amount of sodium sulfide or sodium hydrosulfide. 2006 , 432, 491-496		292
852	Room temperature synthesis of silver nanowires from tabular silver bromide crystals in the presence of gelatin. 2006 , 179, 696-701		16
851	Preparation of micrometric silver filaments for polymeric pressure sensors. 2006 , 132, 541-546		3
850	Synthesis and characterization of Au core-Au-Ag shell nanoparticles from gold seeds: impacts of glycine concentration and pH. 2006 , 301, 145-54		55
849	Application of a multi-dentate amphiphilic compound to transfer silver nanoparticles into an organic solvent. 2006 , 304, 388-93		8
848	On the structure of nanorods and nanowires with pentagonal cross-sections. 2006 , 286, 162-172		75
847	Surfactant-assisted synthesis and characterization of silver nanorods and nanowires by an aqueous solution approach. 2006 , 289, 255-259		39
846	A novel ultrasonic-assisted solution-phase approach for the fabrication of tellurium bundles of nanowhiskers. 2006 , 13, 352-8		19
845	Silver Nanoplates with Special Shapes: Controlled Synthesis and Their Surface Plasmon Resonance and Surface-Enhanced Raman Scattering Properties. <i>Chemistry of Materials</i> , 2006 , 18, 4894-4901	9.6	231
844	Tuning of copper nanocrystals optical properties with their shapes. 2006 , 110, 7208-12		74
843	Aqueous synthesis of copper nanocubes and bimetallic copper/palladium core-shell nanostructures. 2006 , 22, 5900-3		69
842	Interactions between Keggin-Type Lacunary Polyoxometalates and Ag Nanoparticles: A Surface-Enhanced Raman Scattering Spectroscopic Investigation. 2006 , 17, 349-359		27
841	A simple approach to the synthesis of silver nanowires by hydrothermal process in the presence of gemini surfactant. 2006 , 298, 689-93		79
840	Synthesis of silver nanorods and nanowires by tartrate-reduced route in aqueous solutions. 2006 , 96, 217-222		42

839	Synthesis and applications of hyperbranched polyesters; preparation and characterization of crystalline silver nanoparticles. 2006 , 96, 447-453	32
838	A facile route to silver nanosheets. 2006 , 98, 178-182	32
837	Facile preparation of Ag/Au bimetallic nanonetworks. 2006 , 60, 1983-1986	14
836	Facile and Selected-Control Synthesis of β -MnO ₂ Nanorods and Their Magnetic Properties. 2006 , 2006, 2313-2317	39
835	Uniform Sub-Micron Polymer Spheres Coated with Ag Nanoparticles. 2006 , 27, 1774-1778	25
834	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. 2006 , 16, 766-773	220
833	Controlling the Edge Length of Gold Nanoprisms via a Seed-Mediated Approach. 2006 , 16, 1209-1214	263
832	Low Electrical Percolation Threshold of Silver and Copper Nanowires in Polystyrene Composites. 2006 , 16, 2423-2430	154
831	Flexible and Robust 2D Arrays of Silver Nanowires Encapsulated within Freestanding Layer-by-Layer Films. 2006 , 16, 2024-2034	57
830	Synthesis and SERS Properties of Nanocrystalline Gold Octahedra Generated from Thermal Decomposition of H ₂ AuCl ₄ in Block Copolymers. 2006 , 18, 3233-3237	138
829	Preparation and characterization of Pd/Ag and Pd/Ag/Au nanosponges with network nanowires and their high electroactivities toward oxygen reduction. 2006 , 17, 2390-2395	17
828	Formation of gold-silver nanowires in thin surfactant solution films. 2006 , 22, 867-70	36
827	Production of bimetallic nanowires through electron beam irradiation of copper- and silver-containing zeolite A. 2007 , 18, 165708	16
826	Synthesis of Bismuth Sodium Titanate Fine Particles with Different Shapes by the Gel-Sol Method. 2007 , 48, 2174-2178	16
825	Controlled Fabrication of Decahedral Gold Nanostructures by a Thermal Approach. 2007 , 36, 652-653	2
824	Fabrication of Silver Nanorods Controlled by a Segmented Copolymer. 2007 , 111, 13673-13678	13
823	Low temperature synthesis and growth mechanism of Ag nanowires. 2007 , 433, 261-264	53
822	A facile aqueous-phase route for the synthesis of silver nanoplates. 2007 , 61, 130-133	48

821	Microwave-Assisted Shape-Controlled Bulk Synthesis of Noble Nanocrystals and Their Catalytic Properties. 2007 , 7, 686-690		130
820	Magnetic Noble Metal Nanocomposites with Morphology-Dependent Optical Response. <i>Chemistry of Materials</i> , 2007 , 19, 4415-4422	9.6	59
819	Synthesis of Spherical Silver Nanoparticles with Controllable Sizes in Aqueous Solutions. 2007 , 111, 7910-7917		168
818	Interparticle coupling effect on the surface plasmon resonance of gold nanoparticles: from theory to applications. 2007 , 107, 4797-862		2094
817	Enhanced Thermal Stability of Gold and Silver Nanorods by Thin Surface Layers. 2007 , 111, 12886-12889		55
816	Large-scale fabrication of Ag nanoparticles in PVP nanofibres and net-like silver nanofibre films by electrospinning. 2007 , 18, 075605		49
815	Manipulation of the growth of gold and silver nanomaterials on glass by seeding approach. 2007 , 23, 1435-42		30
814	Facile synthesis of silver nano/micro-ribbons or saws assisted by polyoxomolybdate as mediator agent and vanadium(IV) as reducing agent. <i>Chemical Communications</i> , 2007 , 3750-2	5.8	15
813	Novel Dendritic Palladium Nanostructure and Its Application in Biosensing. 2007 , 111, 12609-12616		92
812	Wet chemical synthesis of gold nanoparticles using silver seeds: a shape control from nanorods to hollow spherical nanoparticles. 2007 , 18, 115608		48
811	CdTe Nanowire Networks: Fast Self-Assembly in Solution, Internal Structure, and Optical Properties. 2007 , 111, 18927-18931		43
810	Fabrication of Novel Palladium Microstructures through Self-Assembly. 2007 , 7, 187-190		14
809	Role of ions in the colloidal synthesis of gold nanowires. 2007 , 87, 2143-2158		52
808	Galvanic replacement reaction: A simple and powerful route to hollow and porous metal nanostructures. 2007 , 221, 1-16		25
807	Seedless and Templateless Synthesis of Rectangular Palladium Nanoparticles. <i>Chemistry of Materials</i> , 2007 , 19, 2065-2070	9.6	93
806	Growth of colloidal gold nanostars and nanowires induced by palladium doping. 2007 , 23, 1496-9		36
805	A Facile Room-Temperature Synthesis of Gold Nanowires by Oxalate Reduction Method. 2007 , 111, 14150-14156		56
804	Colloid chemical reaction route to the preparation of nearly monodispersed perylene nanoparticles: size-tunable synthesis and three-dimensional self-organization. 2007 , 129, 7305-12		113

803	Polymer-Controlled Synthesis of Silver Nanobelts and Hierarchical Nanocolumns. <i>Chemistry of Materials</i> , 2007 , 19, 3367-3369	9.6	83
802	Tungsten Oxide Nanorods: Synthesis, Characterization, and Application. 2007 , 115-137		3
801	Roles of Twin Defects in the Formation of Platinum Multipod Nanocrystals. 2007 , 111, 14312-14319		129
800	Mechanistic studies on the galvanic replacement reaction between multiply twinned particles of Ag and H ₂ AuCl ₄ in an organic medium. 2007 , 129, 1733-42		313
799	Synthesis of palladium icosahedra with twinned structure by blocking oxidative etching with citric acid or citrate ions. 2007 , 46, 790-4		234
798	Synthesis of Palladium Icosahedra with Twinned Structure by Blocking Oxidative Etching with Citric Acid or Citrate Ions. 2007 , 119, 804-808		81
797	Spectral encoding on Gold Nanorods Doped in a Silica Sol-Gel Matrix and Its Application to High-Density Optical Data Storage. 2007 , 17, 875-880		126
796	Raspberry-like Gold Microspheres: Preparation and Electrochemical Characterization. 2007 , 17, 618-622		50
795	Nanocrystalline properties of chemically deposited (Cd _{0.95} -Pb _{0.05})S:CdCl ₂ , Gd/Dy films. 2007 , 42, 983-990		3
794	Micelle assisted morphological evolution of silver nanoparticles. 2007 , 301, 475-480		41
793	Shape and size controlled synthesis of gold nanocrystals using oxidative etching by AuCl ₄ ⁻ and Cl ⁻ anions in microwave-polyol process. 2007 , 302, 587-598		53
792	An approach for synthesizing nanometer- to micrometer-sized silver nanoplates. 2007 , 303, 226-234		29
791	Growth of silver nanowires by an unconventional electrodeposition without template. 2007 , 9, 629-632		31
790	One dimensional nanostructured materials. 2007 , 52, 699-913		495
789	Facile synthesis of silver nano particles with highly efficient anti-microbial property. 2007 , 26, 4419-4426		134
788	Preparation of novel silver-gold bimetallic nanostructures by seeding with silver nanoplates and application in surface-enhanced Raman scattering. 2007 , 306, 307-15		52
787	A novel cetyltrimethyl ammonium silver bromide complex and silver bromide nanoparticles obtained by the surfactant counterion. 2007 , 307, 94-100		77
786	Silver microflowers and large spherical particles: Controlled preparation and their wetting properties. 2007 , 311, 456-60		15

785	Biomolecule induced nanoparticle aggregation: effect of particle size on interparticle coupling. 2007 , 313, 724-34	178
784	The synthesis and fabrication of one-dimensional nanoscale heterojunctions. 2007 , 3, 722-56	264
783	Synthesis and Characterization of Ce _{1-x} Gd _x O ₂ Nanorods. 2007 , 90, 661-663	6
782	Controlling the aspect ratio of one-dimensional of cobalt complex ((NH ₃) ₄ Co(OH) ₂ Co(NH ₃) ₄]Cl ₄ (H ₂ O) ₄). 2007 , 103, 101-105	1
781	Surfactant controlled synthesis of crystalline phosphovanadate nanorods. 2007 , 42, 686-695	7
780	A one-step hydrothermal way for the synthesis of vanadium oxide nanotubes containing the phenylpropylamine as template obtained via non-alkoxide route. 2007 , 61, 1946-1950	45
779	A rapid, straight-forward method for controlling the morphology of stable silver nanoparticles. 2007 , 17, 2459	149
778	Nanoparticles in Liquid Crystals: Synthesis, Self-Assembly, Defect Formation and Potential Applications. 2007 , 17, 483-508	265
777	Controlled synthesis of uniform silver nanowires with high aspect ratios in aqueous solutions of gemini surfactant. 2007 , 1, 221-227	3
776	Micelles-template induced organic nanocrystals based on iodo?nitro interactions. 2007 , 52, 1307-1310	
775	Synthesis and characterization of silver nanowires with zigzag morphology in N,N-dimethylformamide. 2007 , 180, 2262-2267	15
774	Visual colorimetric detection of berberine hydrochloride with silver nanoparticles. 2008 , 47, 860-4	64
773	The preparation of CdO nanowires from solid-state transformation of a layered metal-organic framework. 2008 , 181, 143-149	49
772	Direct synthesis of silver/polymer/carbon nanocables via a simple hydrothermal route. 2008 , 181, 2359-2363	18
771	Fabrication of hollow Ag nanoclusters in silica by irradiation with Ar ions. 2008 , 266, 889-893	2
770	Synthesis of non-spherical gold nanoparticles. 2008 , 41, 195-207	102
769	Photochemical and analytical applications of gold nanoparticles and nanorods utilizing surface plasmon resonance. 2008 , 391, 2411-21	38
768	Preparation and Characterization of the Novels Terpolymers of Poly-{trans-[RuCl ₂ (vpy) ₄]-styrene-divinylbenzene} and Styrene-divinylbenzene-vinylpyridine impregnated with Silver Nanoparticles. 2008 , 60, 809-819	6

767	In situ preparation of nanoparticles/polymer composites. 2008 , 51, 1886-1901	20
766	Plasmonic Optical Properties and Applications of Metal Nanostructures. 2008 , 3, 127-150	317
765	Shape Control of Colloidal Metal Nanocrystals. 2008 , 4, 310-325	2019
764	SERS characterization of metallic silver nanoparticle self-assembly within thin films. 2008 , 39, 421-426	12
763	Optical Transmission Properties and Electric Field Distribution of Interacting 2D Silver Nanorod Arrays. 2008 , 18, 1075-1079	62
762	Nanorods as Wavelength-Selective Absorption Centers in the Visible and Near-Infrared Regions of the Electromagnetic Spectrum. 2008 , 20, 506-510	87
761	Synthesis of Complex Au/Ag Nanorods by Controlled Overgrowth. 2008 , 20, 3882-3886	68
760	Synthesis and characterization of Ag/PVA nanorods by chemical reduction method. 2008 , 40, 3183-3186	43
759	Tuning the architectures of lead deposits on metal substrates by electrodeposition. 2008 , 54, 247-253	14
758	Investigation on shape variation of Au nanocrystals. 2008 , 8, 810-813	5
757	Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. 2008 , 18, 2673	38
756	Growth mechanism, shape and composition control of semiconductor nanocrystals. 2008 , 1-34	3
755	Direct observation of chemical reactions on single gold nanocrystals using surface plasmon spectroscopy. 2008 , 3, 598-602	382
754	Development of apertureless near-field scanning optical microscope tips for tip-enhanced Raman spectroscopy. 2008 , 229, 240-6	9
753	Study on the growth mechanism of silver nanorods in the nanowire-seeding polyol process. 2008 , 107, 13-17	26
752	Shape evolution of Cu ₂ S nanostructures in Triton X-100/cyclohexane/water reverse micelles. 2008 , 43, 748-758	10
751	A single-step synthesis of gold nanochains using an amino acid as a capping agent and characterization of their optical properties. 2008 , 19, 075601	69
750	Mapping the polarization pattern of plasmon modes reveals nanoparticle symmetry. 2008 , 8, 2345-50	62

749	Chemical sensing and imaging with metallic nanorods. <i>Chemical Communications</i> , 2008 , 544-57	5.8	460
748	Metal nanomaterials and carbon nanotubes synthesis, functionalization and potential applications towards electrochemistry. 2008 , 18, 1279		154
747	Silver mirror reaction as an approach to construct superhydrophobic surfaces with high reflectivity. 2008 , 24, 9962-5		46
746	Tuning Metal Nanostructures in Mesoporous Silica by a Simple Change of Metal Complexes and by Reduction with Grafted Imines and Hemiaminals. 2008 , 112, 9996-10003		48
745	Mechanistic study of photomediated triangular silver nanoprism growth. 2008 , 130, 8337-44		330
744	Single particle plasmon spectroscopy of silver nanowires and gold nanorods. 2008 , 8, 3200-4		92
743	Chemical synthesis of gold nanowires in acidic solutions. 2008 , 130, 14442-3		163
742	Ideality versus Reality: Emergence of the Chui Icosahedron. 2008 , 112, 14848-14852		10
741	Green Synthesis of Ag and Pd Nanospheres, Nanowires, and Nanorods Using Vitamin B2: Catalytic Polymerisation of Aniline and Pyrrole. 2008 , 2008, 1-8		47
740	Selective Synthesis of Gold Cuboid and Decahedral Nanoparticles Regulated and Controlled by Cu ²⁺ Ions. 2008 , 8, 906-910		58
739	Aspartic Acid Synthesis of Crystalline Gold Nanoplates, Nanoribbons, and Nanowires in Aqueous Solutions. 2008 , 112, 5463-5470		62
738	Nanostructured plasmonic sensors. 2008 , 108, 494-521		1995
737	Gold nanocages: synthesis, properties, and applications. 2008 , 41, 1587-95		1191
736	Rapid synthesis of silver nanowires through a CuCl- or CuCl ₂ -mediated polyol process. 2008 , 18, 437-441		430
735	Gold nanorod-seeded growth of silver nanostructures: from homogeneous coating to anisotropic coating. 2008 , 24, 3465-70		178
734	Hydroquinone Synthesis of Silver Nanoparticles: A Simple Model Reaction To Understand the Factors That Determine Their Nucleation and Growth. 2008 , 8, 1377-1383		28
733	Direct structural transformation of silver platelets into right bipyramids and twinned cube nanoparticles: morphology governed by defects. <i>Chemical Communications</i> , 2008 , 5737-9	5.8	45
732	Detection of neurotransmitters by a light scattering technique based on seed-mediated growth of gold nanoparticles. 2008 , 19, 095502		14

- 731 Synthesis of Silver Nanoparticles in Ionic Liquid by a Simple Effective Electrochemical Method. **2008**, 29, 1059-1061 15
- 730 Fabrication of very high aspect ratio metal nanowires by a self-propulsion mechanism. **2008**, 8, 1169-73 14
- 729 One-Pot Synthesis of Silver Nanoplates and Charge-Transfer Complex Nanofibers. **2008**, 112, 13065-13069 29
- 728 High-Concentration Preparation of Silver Nanowires: Restraining in Situ Nitric Acidic Etching by Steel-Assisted Polyol Method. *Chemistry of Materials*, **2008**, 20, 1699-1704 9.6 71
- 727 Single-Crystal 9,10-Diphenylanthracene Nanoribbons and Nanorods. *Chemistry of Materials*, **2008**, 20, 6945-6950 9.6 62
- 726 Fabrication of dendritic gold nanoparticles by use of an ionic polymer template. **2008**, 24, 2699-704 46
- 725 Well-Dispersed Water-Soluble Pd Nanocrystals: Facile Reducing Synthesis and Application in Catalyzing Organic Reactions in Aqueous Media. **2008**, 112, 13419-13425 34
- 724 Te/Carbon and Se/Carbon Nanocables: Size-Controlled in Situ Hydrothermal Synthesis and Applications in Preparing Metal M/Carbon Nanocables (M = Tellurides and Selenides). **2008**, 112, 965-971 34
- 723 Fluorescence blinking dynamics of silver nanoparticle and silver nanorod films. **2008**, 19, 035706 21
- 722 Organization of Magnetic/Noble Metal Heterostructures by an Applied External Magnetic Field. **2008**, 1079, 1
- 721 Aggregated nanoplatelets: optical properties and optically induced deaggregation. **2008**, 20, 445222 6
- 720 Electron Energy Loss Spectroscopy of Plasmons in Individual Silver Nanowires and Gold Nanorods. **2008**,
- 719 Electronic structure and TDDFT optical absorption spectra of silver nanorods. **2009**, 113, 4445-50 89
- 718 Surfactant-Assisted Synthesis. **2009**, 19-52
- 717 The fabrication of polycrystalline silver nanowires via self-assembled nanotubes at controlled temperature. **2009**, 20, 035301 9
- 716 Micro-nanoscale binary structured silver films fabricated by electrochemical deposition. **2009**, 114, 120-124 17
- 715 Controllable synthesis of pentagonal silver nanowires via a simple alcohol-thermal method. **2009**, 63, 920-922 13
- 714 A facile approach to synthesize silver nanorods capped with sodium tripolyphosphate. **2009**, 63, 2698-2700 10

713	Self-Assembled Pb Nanostructures on Si(111) Surfaces: From Nanowires to Nanorings. 2009 , 21, 4609-4613	4
712	Formkontrolle bei der Synthese von Metallnanokristallen: einfache Chemie, komplexe Physik?. 2009 , 121, 62-108	389
711	Molecular imaging and darkfield microspectroscopy of live cells using gold plasmonic nanoparticles. 2009 , 3, 146-158	77
710	Shape-controlled synthesis of metal nanocrystals: simple chemistry meets complex physics?. 2009 , 48, 60-103	443 ¹
709	Surface-enhanced Raman scattering (SERS) studies on silver nanorod substrates. 2009 , 139, 150-155	62
708	Nanoscale characterization of single Au nanorods by confocal microscopy. 2009 , 255, 5391-5395	12
707	CTAB-assisted synthesis and photocatalytic property of CuO hollow microspheres. 2009 , 182, 1088-1093	116
706	Facile synthesis of single-crystal silver nanowires through a tannin-reduction process. 2009 , 11, 1839-1844	20
705	Solution-phase synthesis of nanomaterials at low temperature. 2009 , 52, 13-20	11
704	Shape control synthesis of spheroid and rod-like silver nanostructures in organic/organic sol/gel composite. 2009 , 46, 171-175	16
703	Optical and photoconductivity studies of Cu ₂ O nanowires synthesized by solvothermal method. 2009 , 129, 1015-1022	42
702	Effect of concentration of methanol for the control of particle size and size-dependent SERS studies. 2009 , 333, 699-706	10
701	Synthesis and surface chemistry of nano silver particles. 2009 , 28, 2522-2530	164
700	Multiple small-angle X-ray scattering analyses of the structure of gold nanorods with unique end caps. 2009 , 364, 14-18	15
699	Particle size distributions of silver nanoparticles at environmentally relevant conditions. 2009 , 1216, 9099-105	257
698	Surfactant- and reducer-free synthesis of gold nanoparticles in aqueous solutions. 2009 , 347, 18-26	49
697	Solvothermal synthesis and formation mechanism of chain-like triangular silver nanoplate assemblies: Application to metal-enhanced fluorescence (MEF). 2009 , 255, 7361-7368	22
696	Nanofabrication of plasmonic structures. 2009 , 60, 147-65	236

695	Synthesis of size-controlled faceted pentagonal silver nanorods with tunable plasmonic properties and self-assembly of these nanorods. 2009 , 3, 21-6	274
694	Mid-IR plasmonics: near-field imaging of coherent plasmon modes of silver nanowires. 2009 , 9, 2553-8	80
693	A novel route for the synthesis of composite dielectric core/silver shell particles. 2009 , 71, 575-577	3
692	Single-Molecule SERRS Detection Platforms Obtained via Galvanic Displacement on Silver Fractals. 2009 , 113, 12897-12900	10
691	Electronic and magnetic properties of ultrathin Au/Pt nanowires. 2009 , 9, 3177-84	85
690	Fabrication of Hierarchical Nanostructure of Silver via a Surfactant-Free Mixed Solvents Route. 2009 , 9, 3941-3947	47
689	Irreversible thermochromic behavior in gold and silver nanorod/polymeric ionic liquid nanocomposite films. 2009 , 1, 348-52	50
688	Controlled Growth of ZnO Nanopagoda Arrays with Varied Lamination and Apex Angles. 2009 , 9, 3161-3167	46
687	Effect of substituent groups for formation of organic-metal hybrid nanowires by charge-transfer of tetrathiafulvalene derivatives with metal ion. 2009 , 159, 931-934	8
686	Detection of carbendazim by surface-enhanced Raman scattering using cyclodextrin inclusion complexes on gold nanorods. 2009 , 81, 2895-903	112
685	Extinction efficiencies for metallic fibers in the infrared. 2009 , 48, 5095-8	10
684	Metallic Nanostructures as Localized Plasmon Resonance Enhanced Scattering Probes for Multiplex Dark Field Targeted Imaging of Cancer Cells. 2009 , 113, 2676-2684	136
683	Growth of Au Nanowires at the Interface of Air/Water. 2009 , 113, 15196-15200	7
682	Enhanced Electrocatalytic Performance of One-Dimensional Metal Nanowires and Arrays Generated via an Ambient, Surfactantless Synthesis. 2009 , 113, 5460-5466	83
681	The syntheses, properties and applications of Si, ZnO, metal, and heterojunction nanowires. 2009 , 19, 869	48
680	Sub-10 nm platinum nanocrystals with size and shape control: catalytic study for ethylene and pyrrole hydrogenation. 2009 , 131, 5816-22	440
679	Formation and optical properties of compression-induced nanoscale buckles on silver nanowires. 2009 , 3, 1795-802	29
678	Bi- and Uniaxially Oriented Growth and Plasmon Resonance Properties of Anisotropic Ag Nanoparticles on Single Crystalline TiO ₂ Surfaces. 2009 , 113, 4758-4762	20

677	Photoinduced Shape Conversion and Reconstruction of Silver Nanoprisms. 2009 , 113, 7025-7030	86
676	Nanoparticle assembly for 1D and 2D ordered structures. 2009 , 5, 1146	166
675	Rectangular Silver Nanorods: Controlled Preparation, Liquid-Liquid Interface Assembly, and Application in Surface-Enhanced Raman Scattering. 2009 , 9, 372-377	85
674	Controlled Synthesis of Different Shapes of Cu ₂ O via γ -Irradiation. 2009 , 9, 1733-1740	45
673	Polymer Templated Synthesis of AgCN and Ag Nanowires. <i>Chemistry of Materials</i> , 2009 , 21, 2020-2026	9.6 44
672	Synthesis, Stabilization, and Functionalization of Silver Nanoplates for Biosensor Applications. 2009 , 113, 16380-16386	48
671	Synthesis of Anisotropic Noble Metal Nanoparticles. 2010 , 295-362	2
670	Spherical and Anisotropic Core-Shell and Alloy Nanomaterials: Characterization Using X-Ray Absorption Spectroscopy. 2010 ,	
669	Chemical Synthesis of Silver Nanowires Using N,N-Dimethyldodecylamine Oxide. 2010 , 39, 717-719	6
668	Frequency- and polarization-dependent optical response of asymmetric spheroidal silver nanoparticles on dielectric substrate. 2010 , 4, 268-270	13
667	Modelling of nanoparticles: approaches to morphology and evolution. 2010 , 73, 086502	147
666	Controlled Synthesis of Uniform Silver Nanospheres \square 2010 , 114, 7427-7431	106
665	Preparation of microsized silver crystals with different morphologies by a wet-chemical method. 2010 , 29, 407-412	27
664	Preparation of gold nanorods of high quality and high aspect ratio. 2010 , 25, 104-107	5
663	Deposition of Size-Selected Cu Nanoparticles by Inert Gas Condensation. 2009 , 5, 180-188	83
662	Aqueous-Phase Synthesis of Silver Nanodiscs and Nanorods in Methyl Cellulose Matrix: Photophysical Study and Simulation of UV-Vis Extinction Spectra Using DDA Method. 2010 , 5, 1611-8	27
661	Synthesis of vanadium oxide nanotubes via an ultrasonic method. 2010 , 56, 327-332	10
660	In vitro effects of silver nanoparticles on the mitochondrial respiratory chain. 2010 , 342, 51-6	99

659	Preparation and characterization of Ag nanoparticle-embedded polymer electrospun nanofibers. 2010 , 12, 1319-1329	35
658	Photochemical synthesis of shape-selective palladium nanocubes in aqueous solution. 2010 , 12, 2799-2811	21
657	Controlled synthesis and structure characterization of nanostructured MnWO ₄ . 2010 , 61, 85-89	17
656	Rapid synthesis of lead oxide nanorods by one-step solid-state chemical reaction at room temperature. 2010 , 22, 1288-1290	9
655	A General Solvothermal Route to the Synthesis of CoTe, Ag ₂ Te/Ag, and CdTe Nanostructures with Varied Morphologies. 2010 , 2010, 1238-1243	18
654	Nanostructures of Metal Tellurides (PbTe, CdTe, CoTe ₂ , Bi ₂ Te ₃ , and Cu ₇ Te ₄) with Various Morphologies: A General Solvothermal Synthesis and Optical Properties. 2010 , 2010, 3005-3011	40
653	Nonspherical noble metal nanoparticles: colloid-chemical synthesis and morphology control. 2010 , 22, 1781-804	712
652	Electroanalytical Measurements at Electrodes Modified with Metal Nanoparticles. 2010 , 283-317	
651	Short aspect ratio gold nanorods prepared using gamma radiation in the presence of cetyltrimethyl ammonium bromide (CTAB) as a directing agent. 2010 , 79, 441-445	21
650	Preparing chelated copolymer membrane for fabrication of Ag dendrites. 2010 , 348, 49-56	11
649	Size effect investigation on battery performance: Comparison between micro- and nano-particles of Ni(OH) ₂ as nickel battery cathode material. 2010 , 195, 5794-5800	118
648	Photolithographically patterned silver nanowire electrodeposition. 2010 , 55, 8074-8080	10
647	Theoretical studies of preparation of core-shell nanoparticles by electrochemical metal deposition. 2010 , 55, 8244-8251	22
646	Scanning electrochemical microscopy for studying electrocatalysis on shape-controlled gold nanoparticles and nanorods. 2010 , 55, 8252-8257	50
645	Synthesis of camptothecin-loaded gold nanomaterials. 2010 , 256, 3917-3920	6
644	Nature factory of silver nanowires: Plant-mediated synthesis using broth of Cassia fistula leaf. 2010 , 162, 852-858	112
643	Electrochemical synthesis of hexadecyltrimethylammonium-coated Ag nanopeanuts and their self-assembly to nanonets. 2010 , 358, 158-162	6
642	Long time effect on the stability of silver nanoparticles in aqueous medium: Effect of the synthesis and storage conditions. 2010 , 364, 19-25	104

641	Antimicrobial activity of highly stable silver nanoparticles embedded in agar-agar matrix as a thin film. 2010 , 345, 2220-7	77
640	Measurement and Optimization of Metal-Nanoparticle-Induced Luminescence Enhancement Factors in a Crossed-Optical Fiber Configuration. 2010 , 2010, 1-11	5
639	Synthesis of One Dimensional Gold Nanostructures. 2010 , 2010, 1-8	12
638	Synthesis of Gold (Au) Nanoparticles for Mercury Adsorption. 2010 , 7, 835-839	14
637	Flowerlike submicrometer gold particles: Size- and surface roughness-controlled synthesis and electrochemical characterization. 2010 , 25, 1755-1760	8
636	Uniform and controllable preparation of Au-Ag core-shell nanorods using anisotropic silver shell formation on gold nanorods. 2010 , 2, 1489-93	155
635	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Noble Metal Nanomaterials. 2010 ,	
634	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Silver Nanomaterials. 2010 ,	
633	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Platinum Nanomaterials. 2010 ,	
632	Finding a Facile Method to Synthesize Decahedral Silver Nanoparticles through a Systematic Study of Temperature Effect on Photomediated Silver Nanostructure Growth. 2010 , 57, 325-331	16
631	Tailoring of silver wires and their performance as transparent conductive coatings. 2010 , 21, 215707	48
630	Aspect-Ratio Dependence on Formation Process of Gold Nanorods Studied by Time-Resolved Distance Distribution Functions. 2010 , 114, 3804-3810	26
629	Bimetallic mesoflowers: region-specific overgrowth and substrate dependent surface-enhanced Raman scattering at single particle level. 2010 , 26, 8901-7	21
628	Metal Oxide Nanopowder. 2010 , 325-385	1
627	Low Temperature Synthesis of Cu ₂ O Crystals: Shape Evolution and Growth Mechanism. 2010 , 10, 99-108	258
626	Introduction. 2010 , 1-14	
625	A Facile Method To Obtain Highly Stable Silver Nanoplate Colloids with Desired Surface Plasmon Resonance Wavelengths. 2010 , 114, 6222-6227	67
624	Ion release kinetics and particle persistence in aqueous nano-silver colloids. 2010 , 44, 2169-75	1329

623	Evidence for Hydrogen-Bonding-Directed Assembly of Gold Nanorods in Aqueous Solution. 2010 , 1, 1181-1185	69
622	Photoluminescence and spectroelectrochemistry of single Ag nanowires. 2010 , 4, 2363-73	34
621	Potential controlled electrochemical conversion of AgCN and Cu(OH) ₂ nanofibers into metal nanoparticles, nanoprisms, nanofibers, and porous networks. 2010 , 2, 3745-58	4
620	In situ growth of silver nanoparticles in porous membranes for surface-enhanced Raman scattering. 2010 , 2, 3333-9	77
619	Synthesis and Thermodynamically Controlled Anisotropic Assembly of DNA-Silver Nanoprisms Conjugates for Diagnostic Applications. <i>Chemistry of Materials</i> , 2010 , 22, 6684-6691	9.6 49
618	Seeded growth of uniform Ag nanoplates with high aspect ratio and widely tunable surface plasmon bands. 2010 , 10, 5037-42	205
617	Photomediated synthesis of silver triangular bipyramids and prisms: the effect of pH and BSPP. 2010 , 132, 12502-10	157
616	High-Yield Synthesis of 1D Rh Nanostructures from Surfactant Mediated Reductive Pathway and their Shape Transformation. 2010 , 114, 16129-16142	22
615	Surface-enhanced Raman scattering detection and tracking of nanoprobe: enhanced uptake and nuclear targeting in single cells. 2010 , 64, 858-66	39
614	Correlating nanorod structure with experimentally measured and theoretically predicted surface plasmon resonance. 2010 , 4, 5453-63	86
613	Silver nanowires--unique templates for functional nanostructures. 2010 , 2, 1626-42	193
612	Polymer Nanocomposites Containing Anisotropic Metal Nanostructures as Internal Strain Indicators. 2010 , 3, 1461-1477	21
611	Pd@Pt Core-Shell Nanostructures with Controllable Composition Synthesized by a Microwave Method and Their Enhanced Electrocatalytic Activity toward Oxygen Reduction and Methanol Oxidation. 2010 , 114, 11861-11867	153
610	Silver nanoparticle polymer composite based humidity sensor. 2010 , 135, 1645-52	44
609	Structure, bonding, and linear optical properties of a series of silver and gold nanorod clusters: DFT/TDDFT studies. 2010 , 114, 12701-8	49
608	On the structure of stellated single crystal Au/Ag nanoparticles. 2010 , 12, 1090-1095	7
607	Gold encapsulation of star-shaped FePt nanoparticles. 2010 , 20, 61-64	34
606	Synthesis of tetrahedral Au nanocrystals with exposed high-index surfaces. <i>Chemical Communications</i> , 2010 , 46, 5109-11	5.8 66

605	Label-free colorimetric assay for biological thiols based on ssDNA/silver nanoparticle system by salt amplification. 2010 , 135, 1066-9		35
604	Preparation of echinus-like SiO ₂ @Ag structures with the aid of the HCP phase. <i>Chemical Communications</i> , 2011 , 47, 5169-71	5.8	28
603	Ultrasound assisted self-assembly of a BaF ₂ hollow nest-like nanostructure. 2011 , 13, 2758		18
602	Ionic conductivity, mechanical strength and Li-ion battery performance of mono-functional and bi-functional (Danus) Boggy sand Electrolytes. 2011 , 4, 1391		45
601	Growth of silver nanowires on GaAs wafers. 2011 , 3, 2247-55		8
600	Synthesis of nature polymer supported Au, Ag and Au-Ag nanoparticles in aqueous medium and catalytic activity towards 4-nitrophenol reduction. 2011 ,		1
599	Spontaneous generation and shape conversion of silver nanoparticles in alumina sol, and shaped silver nanoparticle incorporated alumina films. 2011 , 21, 6072		27
598	Reorganization Induced by Silver Salt Reduction Inside a Mesostructured Block Copolymer Silica Film. 2011 , 115, 25201-25208		6
597	Understanding the Influence of Crystallographic Structure on Controlling the Shape of Noble Metal Nanostructures. 2011 , 11, 5457-5460		8
596	Cadmium Sulfide Silver Nanoplate Hybrid Structure: Synthesis and Fluorescence Enhancement. 2011 , 115, 21604-21609		14
595	Melamine sensing through riboflavin stabilized gold nanoparticles. 2011 , 136, 67-70		46
594	Assembly of Nanoparticles. 2011 , 51-67		1
593	Multiple surface plasmon resonances in silver and copper nanorods. 2011 , 21, 19069		26
592	One-Pot Synthesis of Coral-Shaped Gold Nanostructures for Surface-Enhanced Raman Scattering. 2011 , 14, 47-55		7
591	A seedless approach to continuous flow synthesis of gold nanorods. <i>Chemical Communications</i> , 2011 , 47, 4123-5	5.8	24
590	Twin plane decoration of silver nanorods with palladium by galvanic exchange at a controlled rate. 2011 , 27, 13293-301		3
589	Effect of temperature in synthesis of silver nanoparticles in triblock copolymer micellar solution. 2011 , 6, 596-611		15
588	Morphology-controlled hydrothermal synthesis and growth mechanism of microcrystal Cu ₂ O. 2011 , 13, 633-636		76

587	Fabrication of flower-like silver structures through anisotropic growth. 2011 , 27, 6211-7	74
586	Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. 2011 , 115, 3513-3527	145
585	Synthesis of silver nanorods by low energy excitation of spherical plasmonic seeds. 2011 , 11, 2495-8	176
584	Multipolar plasmonic resonances in silver nanowire antennas imaged with a subnanometer electron probe. 2011 , 11, 1499-504	206
583	Mechanism of polypyrrole and silver nanorod formation in lauric acidβetyl trimethyl ammonium bromide coacervate gel template: Physical and conductivity properties. 2011 , 161, 62-71	26
582	Selective colorimetric sensing of cysteine in aqueous solutions using silver nanoparticles in the presence of Cr ^{VI} . 2011 , 85, 533-40	74
581	Ultrathin gold nanoframes through surfactant-free templating of faceted pentagonal silver nanoparticles. 2011 , 133, 8066-9	170
580	Shape dependent electrocatalysis. 2011 , 107, 263	131
579	Colloidal synthesis of new silver-based nanostructures with tailored localized surface plasmon resonance. 2011 , 73, 724-742	9
578	Anisotropic nanomaterials: structure, growth, assembly, and functions. 2011 , 2,	312
577	Role of spacer lengths of gemini surfactants in the synthesis of silver nanorods in micellar media. 2011 , 3, 2924-30	29
576	On-Chip Integration of Functional Hybrid Materials and Components in Nanophotonics and Optoelectronics. 2011 , 339-391	
575	Solution-phase synthesis of silver nanodiscs in HPMC-matrix and simulation of UV-vis extinction spectra using DDA based method. 2011 , 82, 368-74	6
574	A versatile hydrogel template for metal nano particle preparation and their use in catalysis. 2011 , 52, 4834-4840	85
573	Cu ₂ O nanorod thin films prepared by CBD method with CTAB: Substrate effect, deposition mechanism and photoelectrochemical properties. 2011 , 127, 433-439	32
572	Phytotoxicity of silver nanoparticles to Lemna minor L. 2011 , 159, 1551-9	177
571	Self-assembly of inorganic nanorods. 2011 , 40, 656-71	219
570	Surface-enhanced Raman scattering imaging of a single molecule on urchin-like silver nanowires. 2011 , 3, 3280-4	28

569	Silver nanoparticles: synthesis through chemical methods in solution and biomedical applications. 2011 , 9, 7-19	80
568	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. 2011 , 111, 3669-712	2056
567	Templated techniques for the synthesis and assembly of plasmonic nanostructures. 2011 , 111, 3736-827	981
566	Controlled assembly of plasmonic colloidal nanoparticle clusters. 2011 , 3, 1304-15	228
565	Crystallographic control of noble metal nanocrystals. 2011 , 6, 265-285	161
564	Applications of nanomaterials in the different fields of photosciences. 2011 , 85, 1229-1245	79
563	Triangular Au ₂₅ Ag Nanoframes with Tunable Surface Plasmon Resonance Signal from Visible to Near-Infrared Region. 2011 , 6, 241-244	14
562	Shaped gold and silver nanoparticles. 2011 , 5, 1-24	24
561	Shape transformation mechanism of silver nanorods in aqueous solution. 2011 , 7, 147-56	39
560	A morphology-dependent bio-organic template for inorganic nanowire synthesis. 2011 , 7, 2041-6	11
559	Shape Matters: Anisotropy of the Morphology of Inorganic Colloidal Particles [Synthesis and Function. 2011 , 21, 3214-3230	84
558	Gold Nanocages: A Multifunctional Platform for Molecular Optical Imaging and Photothermal Treatment. 2011 , 615-638	
557	Review: Recent research progress on preparation of silver nanowires by soft solution method and their applications. 2011 , 46, 427-438	36
556	Successive Deposition of Silver on Silver Nanoplates: Lateral versus Vertical Growth. 2011 , 123, 258-263	28
555	Silver Nanocrystals with Concave Surfaces and Their Optical and Surface-Enhanced Raman Scattering Properties. 2011 , 123, 12750-12754	42
554	Successive deposition of silver on silver nanoplates: lateral versus vertical growth. 2011 , 50, 244-9	178
553	Silver nanocrystals with concave surfaces and their optical and surface-enhanced Raman scattering properties. 2011 , 50, 12542-6	161
552	Effective degradation of acid orange 10 by catalytic ozonation in the presence of Au-Bi ₂ O ₃ nanoparticles. 2011 , 168, 1227-1233	72

551	Synthesis of gold nanorods using concentrated aerosol OT in hexane and its application as catalyst for the reduction of eosin. 2011 , 373, 61-65	10
550	Photochemical reaction fields with strong coupling between a photon and a molecule. 2011 , 221, 130-137	17
549	Preparation and optical properties of silver nanowires and silver-nanowire thin films. 2011 , 356, 151-8	90
548	Efficient synthesis of orthorhombic lithium borate hydroxide micro-rods and their thermal conversion to lithium borate. 2011 , 210, 67-72	3
547	Synthesis of Gold Nanoanisotropes Using <i>Dioscorea bulbifera</i> Tuber Extract. 2011 , 2011, 1-8	52
546	Ultrasonochemical-Assisted Synthesis of CuO Nanorods with High Hydrogen Storage Ability. 2011 , 2011, 1-6	17
545	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. 2012 , 85, 843-853	7
544	Combinatorial Polymer Library Approach for the Synthesis of Silver Nanoplates. <i>Chemistry of Materials</i> , 2012 , 24, 4424-4433	9.6 33
543	Synthesis and Alignment of Nanostructured Materials Using Liquid Crystals. 2012 , 193-218	
542	Studies on fluorescence determination of nanomolar Cr(III) in aqueous solutions using unmodified silver nanoparticles. 2012 , 4, 3407	17
541	Synthesis of Mesoporous MoO ₃ Nanoribbons through a Multi-molybdate Coordination-Polymer-Precursor Route. 2012 , 2012, 5831-5836	16
540	Silver nanocombs and branched nanowires formation in aqueous binary surfactants solution. 2012 , 14, 1	2
539	Binding of carboxylates to gold nanoparticles: A theoretical study of the adsorption of formate on Au ₂₀ . 2012 , 987, 16-21	15
538	Hierarchically branched silver nanostructures (HBAgNSs) as surface plasmon regulating platforms for multiplexed colorimetric DNA detection. 2012 , 22, 20223	23
537	Neuron-shaped gold nanocrystals and two-dimensional dendritic gold nanowires fabricated by use of a long-chain amidoamine derivative. 2012 , 28, 14998-5004	28
536	Inorganic functional nanofibers: processing and applications. 2012 , 71-91	2
535	Facile synthesis of glass/silver nanodisk core/shell composite hollow spheres. 2012 , 2, 5058	3
534	Simple self-assembly of HLaNb ₂ O ₇ nanosheets and Ag nanoparticles/clusters and their catalytic properties. 2012 , 22, 22929	22

533	A phyto-reduction route for selective synthesis of highly stable Ag and Ag:AgCl hybrid nanocolloids. 2012 , 14, 7621		8
532	Synthesis of length-controlled polyvalent silver nanowire-DNA conjugates for sensitive and selective detection of DNA targets. 2012 , 28, 828-32		23
531	Unified Synthetic Approach to Silver Nanostructures by Galvanic Displacement Reaction on Copper: From Nanobelts to Nanoshells. <i>Chemistry of Materials</i> , 2012 , 24, 48-54	9.6	67
530	Synchronous emission from nanometric silver particles through plasmonic coupling on silver nanowires. 2012 , 6, 6049-57		15
529	Nitrate ion promoted formation of Ag nanowires in polyol processes: a new nanowire growth mechanism. 2012 , 28, 3722-9		34
528	Quantitative analysis of the role played by poly(vinylpyrrolidone) in seed-mediated growth of Ag nanocrystals. 2012 , 134, 1793-801		238
527	Recent Developments in Shape-Controlled Synthesis of Silver Nanocrystals. 2012 , 116, 21647-21656		155
526	The influence of synthesis condition and aging process of silver nanocrystals on the formation of silver nanorods. 2012 , 258, 5909-5913		17
525	Acute and sub-lethal effects in juvenile Atlantic salmon exposed to low $\mu\text{g/L}$ concentrations of Ag nanoparticles. 2012 , 108, 78-84		85
524	Gold nanonetwork film on the ITO surface exhibiting one-dimensional optical properties. 2012 , 7, 252		6
523	Transformation from Silver Nanoprisms to Nanodecahedra in a Temperature-Controlled Photomediated Synthesis. 2012 , 116, 24268-24273		26
522	Visual determination of Cu^{2+} through copper-catalysed in situ formation of Ag nanoparticles. 2012 , 137, 4516-23		17
521	Colloidal Synthesis of Noble Metal Nanoparticles of Complex Morphologies. 2012 , 7-90		1
520	Modeling Nanomorphology in Noble Metal Particles: Thermodynamic Cartography. 2012 , 269-303		1
519	The influence of Ni nanoparticles and Ni (II) on the growth of Ag dendrites immobilized on the chelating copolymer membrane. 2012 , 137, 76-84		6
518	Synthesis and characterization of silver nanoparticles supported on surface-modified poly(N-vinylimidazole) as catalysts for the reduction of 4-nitrophenol. 2012 , 365, 128-135		70
517	Surfactant-assisted synthesis and characterization of stable silver bromide nanoparticles in aqueous media. 2012 , 28, 7282-90		31
516	Highly sensitive, reproducible, and stable SERS sensors based on well-controlled silver nanoparticle-decorated silicon nanowire building blocks. 2012 , 22, 14127		46

515	Silver Nanostructures: Properties, Synthesis, and Biosensor Applications. <i>ACS Symposium Series</i> , 2012 , 359-404	0.4	10
514	Comparison of galvanic displacement and electroless methods for deposition of gold nanoparticles on synthetic calcite. 2012 , 35, 939-946		2
513	Electrochemical sensing and photocatalysis using Ag ₂ O 2 microwires. 2012 , 124, 969-978		28
512	A simple and sensitive colorimetric method for the determination of propafenone by silver nanoprobe. 2012 , 174, 133-139		20
511	Small-sized Ag nanocrystals: high yield synthesis in a solid-liquid phase system, growth mechanism and their successful application in the Sonogashira reaction. 2012 , 2, 6061		5
510	Quaternary ammonium bromide surfactant adsorption on low-index surfaces of gold. 2. Au(100) and the role of crystallographic-dependent adsorption in the formation of anisotropic nanoparticles. 2012 , 28, 5040-7		42
509	Quaternary ammonium bromide surfactant adsorption on low-index surfaces of gold. 1. Au(111). 2012 , 28, 5031-9		33
508	Crystalline structure-dependent growth of bimetallic nanostructures. 2012 , 4, 7070-7		52
507	Bacterial effects and protein corona evaluations: crucial ignored factors in the prediction of bio-efficacy of various forms of silver nanoparticles. 2012 , 25, 1231-42		87
506	Noble metal nanoparticles in DNA detection and delivery. 2012 , 4, 273-90		45
505	Uptake, distribution and toxicity of gold nanoparticles in tobacco (<i>Nicotiana xanthi</i>) seedlings. 2012 , 6, 353-60		158
504	Synthesis of Dendrimer-Encapsulated Silver Nanoparticles and Its Catalytic Activity on the Reduction of 4-Nitrophenol. 2012 , 59, 1455-1460		10
503	Evaluation of genotoxic effect of silver nanoparticles (Ag-Nps) in vitro and in vivo. 2012 , 14, 1		21
502	Synthesis and optical properties of small Au nanorods using a seedless growth technique. 2012 , 28, 9807-15		182
501	Synthesis of Stable SiO ₂ @Au-Nanoring Colloids as Recyclable Catalysts: Galvanic Replacement Taking Place on the Surface. 2012 , 116, 10753-10759		50
500	Unraveling the evolution and nature of the plasmons in (Au core)-(Ag shell) nanorods. 2012 , 24, OP200-7		202
499	Controlled synthesis of gold nanostars by using a zwitterionic surfactant. 2012 , 18, 9381-90		69
498	From nano to micro: synthesis and optical properties of homogeneous spheroidal gold particles and their superlattices. 2012 , 28, 8909-14		47

497	Geometry control and optical tunability of metal-cuprous oxide core-shell nanoparticles. 2012 , 6, 3514-27	106
496	Synthesis of Silver Particles with Various Morphologies. 2012 , 22, 514-518	3
495	One-dimensional silver nanowires synthesized by self-seeding polyol process. 2012 , 14, 1	91
494	Controlling aspect ratio of colloidal silver nanorods using response surface methodology. 2012 , 393, 46-52	24
493	Shape-directing role of cetyltrimethylammonium bromide in the preparation of silver nanoparticles. 2012 , 367, 101-8	54
492	Selective colorimetric detection of nanomolar Cr (VI) in aqueous solutions using unmodified silver nanoparticles. 2012 , 166-167, 365-371	101
491	Synthesis and characterization of Ag nanoparticles@Polyethylene fibers under ultrasound irradiation. 2012 , 19, 853-7	37
490	Saturable and reverse saturable absorption in aqueous silver nanoparticles at off-resonant wavelength. 2012 , 43, 49-58	43
489	Tunable plasmonic properties of silver nanorods for nanosensing applications. 2012 , 47, 1930-1937	17
488	Novel fabrication and catalytic application of poly(ethylenimine)-stabilized gold/silver alloy nanoparticles. 2012 , 14, 1	27
487	Electron beam induced growth of silver nanoparticles. 2013 , 35, 69-74	7
486	Design and characterization of functional nanoparticles for enhanced bio-performance. 2013 , 1051, 165-207	1
485	A simple green route to prepare stable silver nanoparticles with pear juice and a new selective colorimetric method for detection of cysteine. 2013 , 138, 5296-302	43
484	Nanowire plasmonic waveguides, circuits and devices. 2013 , 7, 855-881	93
483	Size-controlled synthesis of gold bipyramids using an aqueous mixture of CTAC and salicylate anions as the soft template. 2013 , 5, 6708-12	25
482	Effects of surfactants on electrochemically prepared Ag nanostructures. 2013 , 138, 5920-5	2
481	Green Synthesis of Silver Nanoparticles by <i>Plumbago indica</i> and Its Antitumor Activity Against Dalton's Lymphoma Ascites Model. 2013 , 3, 394-402	14
480	Synthesis and characterization of Ag ₀ /PVA nanoparticles via photo- and chemical reduction methods for antibacterial study. 2013 , 436, 922-929	26

479	Functionalized silver nanoparticles as chemosensor for pH, Hg ²⁺ and Fe ³⁺ in aqueous medium. 2013 , 188, 937-943	90
478	Differential interaction of silver nanoparticles with cysteine. 2013 , 8, 589-595	19
477	Green Synthesis of Colloidal Gold by Ethyl Alcohol and NaOH at Normal Temperature. 2013 , 42, 2232-2236	7
476	Fabrication of polypyrrole-coated carbon nanotubes using oxidant-surfactant nanocrystals for supercapacitor electrodes with high mass loading and enhanced performance. 2013 , 5, 13161-70	53
475	Controlling the Geometry of Silver Nanostructures for Biological Applications. 2013 , 40, 76-83	16
474	Plasmonische Synthese von metallischen Nanostrukturen. 2013 , 125, 14158-14189	15
473	Plasmon-mediated syntheses of metallic nanostructures. 2013 , 52, 13910-40	156
472	A self-seeding synthesis of Ag microrods of tuned aspect ratio: ascorbic acid plays a key role. 2013 , 24, 345604	16
471	High-frequency mechanical stirring initiates anisotropic growth of seeds requisite for synthesis of asymmetric metallic nanoparticles like silver nanorods. 2013 , 13, 4739-45	36
470	Electrodeposition of silver nanostructures: from polygons to dendrites. 2013 , 15, 2052	37
469	Photochemical synthesis of Ag nanobars and their potential application as catalyst. 2013 , 26, 1-8	5
468	3D origami electrochemiluminescence immunodevice based on porous silver-paper electrode and nanoporous silver double-assisted signal amplification. 2013 , 188, 417-424	24
467	Unzipped catalytic activity of copper in realizing bimetallic Ag@Cu nanowires as a better amperometric H ₂ O ₂ sensor. 2013 , 112, 648-654	48
466	Optical properties of silver nanorods by adjusting aspect ratio in experiment and simulation. 2013 ,	
465	Enhanced photochromism of chromen-based colorants near silver nanorods in sol-gel matrix. 2013 , 15, 5969	4
464	Thermal diffusivity of nanofluids composed of rod-shaped silver nanoparticles. 2013 , 64, 188-194	37
463	Silver nanowires for photonics applications. 2013 , 7, 901-919	72
462	Convenient synthesis of Ag nanowires with tunable length and morphology. 2013 , 48, 461-468	20

461	Beyond spheres: Murphy's silver nanorods and nanowires. <i>Chemical Communications</i> , 2013 , 49, 215-7	5.8	31
460	A modified polyol process for growing Ag nanowires and nanoplates using 2-ethoxy ethanol. 2013 , 48, 1042-1052		3
459	Anisotropic silver nanoparticles as filler for the formation of hybrid nanocomposites. 2013 , 48, 52-57		20
458	Preparation of gold nanoparticles by surfactant-promoted reductive reaction without extra reducing agent. 2013 , 103, 349-55		20
457	Strategies for dispersing, assembling, and orienting nanorods in polymers. 2013 , 2, 95-102		24
456	Sonochemical synthesis and ppb H ₂ S sensing performances of CuO nanobelts. 2013 , 176, 15-21		46
455	Effect of the collision medium size on thermal performance of silver nanoparticles based aqueous nanofluids. 2013 , 54, 383-390		10
454	Geometrically Tunable Optical Properties of Metal Nanoparticles. 2013 , 1-74		2
453	Tailoring the Optical Properties of Silver Nanomaterials for Diagnostic Applications. 2013 , 287-309		
452	Surfactant-assisted shape control of copper nanostructures. 2013 , 421, 72-83		34
451	Seed-mediated growth of noble metal nanocrystals: crystal growth and shape control. 2013 , 5, 3172-81		147
450	Spectral properties and electromagnetic field enhancement effects on nano-engineered metallic nanoparticles. 2013 , 15, 4093-9		24
449	Trisodium Citrate-Assisted Biosynthesis of Silver Nanoflowers by <i>Canarium album</i> Foliar Broths as a Platform for SERS Detection. 2013 , 52, 5085-5094		29
448	Size- and shape-tunable silver nanoparticles created through facile aqueous synthesis. 2013 , 15, 1		7
447	Effects of Anions on Electrochemical Reactions of Silver Shells on Gold Nanorods. 2013 , 117, 2521-2530		11
446	Effect of synthesized silver nanoparticles in promoting methane hydrate formation at 4.7MPa and 5.7MPa. 2013 , 91, 1050-1054		83
445	Rapid Synthesis of Silver Nanowires and Network Structures under Cuprous Oxide Nanospheres and Application in Surface-Enhanced Raman Scattering. 2013 , 117, 13593-13601		32
444	Generation and properties of antibacterial coatings based on electrostatic attachment of silver nanoparticles to protein-coated polypropylene fibers. 2013 , 5, 5298-306		57

443	Synthesis and stabilization of gold nanoparticles induced by denaturation and renaturation of triple helical β -glucan in water. 2013 , 14, 1787-94	36
442	Surface plasmon-enhanced photochemical reactions. 2013 , 15, 31-52	155
441	Diameter Dependence of the Excitation Spectra of Silver and Gold Nanorods. 2013 , 117, 12325-12336	55
440	Colorimetric detection of Co^{2+} ion using silver nanoparticles with spherical, plate, and rod shapes. 2013 , 29, 8978-82	95
439	Screening sensitive nanosensors via the investigation of shape-dependent localized surface plasmon resonance of single Ag nanoparticles. 2013 , 5, 7458-66	64
438	One-Pot Controllable Synthesis of Heterogeneous Nanorods with Highly Tunable Plasmonic Absorption. <i>Chemistry of Materials</i> , 2013 , 25, 2580-2590	9.6 83
437	Luminescent Properties of Eu(III) Chelates on Metal Nanorods. 2013 , 117,	15
436	Formation of heteroepitaxy in different shapes of Au-CdSe metal-semiconductor hybrid nanostructures. 2013 , 9, 3424-32	53
435	Rapid synthesis and growth of silver nanowires induced by vanadium trioxide particles. 2013 , 11, 428-440	2
434	Silver colloid nanoparticles: Ultrasound-assisted synthesis, electrical and rheological properties. 2013 , 237, 97-101	36
433	Seeded growth route to noble metal nanostructures. 2013 , 1, 3898	58
432	Layer-by-layer self-assembly of plexcitonic nanoparticles. 2013 , 21, 19103-12	16
431	Application of Stabilized Silver Nanoparticles as Thin Films as Corrosion Inhibitors for Carbon Steel Alloy in 1 M Hydrochloric Acid. 2013 , 2013, 1-8	24
430	Formation of Defects by Stretching Gold Nanosheet - A Simulation Study. 2013 , 24, 146-154	2
429	Self-assembled silane film and silver nanoparticles coating on magnesium alloys for corrosion resistance and antibacterial applications. 2013 , 26, 681-686	25
428	Silver Decorated Carbon Nanospheres as Effective Visible Light Photocatalyst. 2013 , 1509, 1	2
427	Noble Metal Nanoparticles. 2013 , 303-388	24
426	An Improved Method to Synthesize Silver Nanorods and Study on Their Optical Properties. 2013 , 42, 1016-1017	2

425	Synthesis and Characterization of Ce _{1-x} Gd _x O ₂ -[Nanorods. 2014 , 311-313	
424	Keggin-lysine hybrid nanostructures in the shape modulation of gold. 2014 , 1, 015007	3
423	Silver nanoparticles in hydrogels and microemulsions— comparative account of their properties and bio-activity. 2014 , 1, 035022	1
422	Laser induced augmentation of silver nanospheres to nanowires in ethanol fostered by Poly Vinyl Pyrrolidone. 2014 , 320, 732-735	5
421	Reliable on-site characterization of aromatic compounds adsorbed on porous particles with SERS in a dynamic adsorption-hydrocyclone separation process. 2014 , 6, 9348-9353	5
420	The Kinetically Dominated Overgrowth of Flower-Like Silver Nanostructures and its Application for Surface-Enhanced Raman Scattering. 2014 , 605, 259-262	2
419	Plasmon-enhanced polymer photovoltaic cells based on large aspect ratio gold nanorods and the related working mechanism. 2014 , 104, 213903	13
418	Templating effect of 1,5-disubstituted 1,2,3-triazole-linked disaccharides on size, shape and antibacterial activity of silver nanoparticles. 2014 , 4, 63036-63038	10
417	Gold nanoparticles for photothermally controlled drug release. 2014 , 9, 2023-39	32
416	High-concentration Facile Synthesis of Self-assembled Micron-sized Flower Silver Particles by Stainless Steel-Assisted Vitamin C Reduction Method. 2014 , 43, 2943-2947	1
415	Temperature and amino acid-assisted size- and morphology-controlled photochemical synthesis of silver decahedral nanoparticles. 2014 , 9, 639-651	6
414	Optimized Synthetic Protocols for Preparation of Versatile Plasmonic Platform Based on Silver Nanoparticles with Pentagonal Symmetries. 2014 , 31, 178-189	30
413	Fabrication of silver nanosheets on quartz glass substrates through electroless plating approach. 2014 , 114, 485-493	14
412	Stable colloidal copper nanoparticles for a nanofluid: Production and application. 2014 , 441, 589-597	37
411	Large-scale synthesis and surface plasmon resonance properties of angled silver/silver homojunction nanowires. 2014 , 16, 1	7
410	Synthesis of gold nanoparticles using pH-sensitive hydrogel and its application for colorimetric determination of acetaminophen, ascorbic acid and folic acid. 2014 , 441, 517-524	35
409	Eu(III)-induced room-temperature fast transformation of CdTe nanocrystals into nanorods. 2014 , 122, 229-33	2
408	Citrate-modified silver nanoparticles as a colorimetric probe for simultaneous detection of four triptan-family drugs. 2014 , 197, 254-263	57

407	Polarization Anisotropy of Multiple Localized Plasmon Resonance Modes in Noble Metal Nanocrescents. 2014 , 118, 1167-1173		32
406	A minor lipid component of soy lecithin causes growth of triangular prismatic gold nanoparticles. 2014 , 1, 37-44		3
405	Photochemical synthesis: Effect of UV irradiation on gold nanorods morphology. 2014 , 275, 7-11		18
404	Anisotropic Noble Metal Nanocrystal Growth: The Role of Halides. <i>Chemistry of Materials</i> , 2014 , 26, 34-43.6		290
403	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver-chitosan. 2014 , 56, 167-73		59
402	Self-seeded growth of five-fold twinned copper nanowires: mechanistic study, characterization, and SERS applications. 2014 , 30, 602-10		109
401	High conductive Ag nanowire/polyimide composites: Charge transport mechanism in thermoplastic thermostable materials. 2014 , 385, 34-39		22
400	Synthesis of uniform and stable silver nanoparticles by a gold seed-mediated growth approach in a buffer system. 2014 , 9, 382-390		4
399	Silver Seeds and Aromatic Surfactants Facilitate the Growth of Anisotropic Metal Nanoparticles: Gold Triangular Nanoprisms and Ultrathin Nanowires. <i>Chemistry of Materials</i> , 2014 , 26, 6172-6177	9.6	28
398	Investigation of the catalysis and SERS properties of flower-like and hierarchical silver microcrystals. 2014 , 16, 1		12
397	Flexible transparent conductive films on PET substrates with an AZO/AgNW/AZO sandwich structure. 2014 , 2, 3750-3755		45
396	A rapid method to estimate the concentration of citrate capped silver nanoparticles from UV-visible light spectra. 2014 , 139, 4855-61		390
395	D-Glucopyranose-modified compound of Ruddlesden-Popper phases H ₂ CaTa ₂ O ₇ : characterization and intercalation with Ag. 2014 , 2, 15590		8
394	Effect of surface charge and electrode material on the size-dependent oxidation of surface-attached metal nanoparticles. 2014 , 30, 13075-84		24
393	Shape-controlled synthesis of hybrid nanomaterials via three-dimensional hydrodynamic focusing. 2014 , 8, 10026-34		40
392	Green synthesis of gold nanoparticles with willow tree bark extract: a sensitive colourimetric sensor for cysteine detection. 2014 , 6, 6916-6924		24
391	Preparation of silica-coated ultrathin gold nanowires with high morphological stability. 2014 , 30, 1888-92		26
390	Catalytic performance of TiO ₂ @Ag composites prepared by modified photodeposition method. 2014 , 258, 247-253		38

389	Self-powered and sensitive DNA detection in a three-dimensional origami-based biofuel cell based on a porous Pt-paper cathode. 2014 , 20, 12453-62		34
388	Thin and long silver nanowires self-assembled in ionic liquids as a soft template: electrical and optical properties. 2014 , 9, 330		36
387	Transformation of Ag nanocubes into Ag-Au hollow nanostructures with enriched Ag contents to improve SERS activity and chemical stability. 2014 , 6, 3750-7		108
386	Supramolecular assembly of melamine and its derivatives: nanostructures to functional materials. 2014 , 4, 1708-1734		95
385	Environmentally benign synthesis of ultrathin metal telluride nanowires. 2014 , 136, 10242-5		55
384	Simple colorimetric sensor for Cr(III) and Cr(VI) speciation using silver nanoparticles as a probe. 2014 , 6, 5161		66
383	Efficient and Facile Synthesis of Gold Nanorods with Finely Tunable Plasmonic Peaks from Visible to Near-IR Range. <i>Chemistry of Materials</i> , 2014 , 26, 1794-1798	9.6	114
382	Toward an Understanding of the Growth of Ag Filaments on β -Ag ₂ WO ₄ and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. 2014 , 118, 1229-1239		111
381	Entropically patchy particles: engineering valence through shape entropy. 2014 , 8, 931-40		143
380	Surfactant-directed synthesis of silver nanorods and characteristic spectral changes occurred by their morphology evolution. 2014 , 64, 211-217		12
379	Galvanic displacement as a route to highly active and durable extended surface electrocatalysts. 2014 , 4, 3589-3600		56
378	Study of an antireflection surface constructed of controlled ZnO nanostructures. 2014 , 570, 504-509		10
377	The role of cuprous oxide seeds in the one-pot and seeded syntheses of copper nanowires. 2014 , 10, 1771-8		54
376	The optical, photothermal, and facile surface chemical properties of gold and silver nanoparticles in bionanomedicine, therapy, and drug delivery. 2014 , 88, 1391-417		279
375	CTAB-mediated synthesis and characterization of ZnO/Ag core-shell nanocomposites. 2014 , 612, 306-314		25
374	Colorimetric sensing of cysteine using label-free silver nanoparticles. 2014 , 202, 574-582		44
373	The concentration effect of capping agent for synthesis of silver nanowire by using the polyol method. 2014 , 214, 2-6		51
372	Nanocrystals: Synthesized in Colloidal Self-Assemblies. 2014 , 2980-2989		

- 371 Synthesis and Optical Properties of Flower- and Spiky-Ball-Like Silver-Gold Nanoparticles. **2014**, 87, 780-791 3
- 370 Synthesis of Colloidal Gold and Silver Nanoparticles and their Properties. **2014**, 1-22 1
- 369 Photocatalytically Active YBa₂Cu₃O_{7-x} Nanoparticles Synthesized via a Soft Chemical Route. **2015**, 2015, 1-5 3
- 368 Super-radiant plasmon mode is more efficient for SERS than the sub-radiant mode in highly packed 2D gold nanocube arrays. **2015**, 143, 074703 6
- 367 Silver nanoparticles incorporated into nanostructured biopolymer membranes produced by electrospinning: a study of antimicrobial activity. **2015**, 51, 911-921 10
- 366 Application of Turkevich Method for Gold Nanoparticles Synthesis to Fabrication of SiO₂@Au and TiO₂@Au Core-Shell Nanostructures. **2015**, 8, 2849-2862 40
- 365 Chemistry for oncotheranostic gold nanoparticles. **2015**, 99, 92-112 20
- 364 Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent. **2015**, 144, 1377-86 11
- 363 Tuning the direct growth of Ag seeds into bimetallic Ag@Cu nanorods on surface functionalized electrochemically reduced graphene oxide: enhanced nitrite detection. **2015**, 5, 48236-48245 14
- 362 Observation of Local Redox Events at Individual Au Nanoparticles Using Electrogenerated Chemiluminescence Microscopy. **2015**, 119, 27095-27103 49
- 361 Nonlinear energy transfer in quantum dot and metallic nanorod nanocomposites. **2015**, 32, 2216 9
- 360 Plasmonic coupling-dependent SERS of gold nanoparticles anchored on methylated DNA and detection of global DNA methylation in SERS-based platforms. **2015**, 17, 114022 8
- 359 Determination of total chromium in tea samples by suspension dispersive solid phase extraction combined with silver nanoparticles and using flame atomic absorption spectrometry. **2015**, 7, 2093-2099 9
- 358 Engineering Gold Nanotubes with Controlled Length and Near-Infrared Absorption for Theranostic Applications. **2015**, 25, 2117-2127 61
- 357 Mesoporous SnO₂-coated metal nanoparticles with enhanced catalytic efficiency. **2015**, 7, 4844-50 42
- 356 Targeted intracellular delivery of proteins with spatial and temporal control. **2015**, 12, 600-9 31
- 355 Functional silsesquioxane-based hierarchical assemblies for antibacterial/antifungal coatings. **2015**, 3, 723-727 12
- 354 SERS-active Ag, Au and Ag₃Au alloy nanoparticles obtained by laser ablation in liquids for sensing methylene blue. **2015**, 348, 66-70 41

353	Plasmonic Properties of the End-to-End and Side-by-Side Assembled Au Nanorods. 2015 , 10, 117-124	13
352	Highly sensitive determination of poly(hexamethylene guanidine) by Rayleigh scattering using aggregation of silver nanoparticles. 2015 , 182, 965-973	5
351	Temperature-Responsive Poly(N-Isopropylacrylamide-Acrylamide-Phenylboronic Acid) Microgels for Stabilization of Silver Nanoparticles. 2015 , 36, 423-429	24
350	Template synthesis of hollow silver hexapods using hexapod-shaped silver oxide mesoparticles. 2015 , 448, 208-14	9
349	A pressure sensor based on the orientational dependence of plasmonic properties of gold nanorods. 2015 , 7, 14483-8	32
348	Gold nanostars coated with neutral and charged polyethylene glycols: A comparative study of in-vitro biocompatibility and of their interaction with SH-SY5Y neuroblastoma cells. 2015 , 151, 123-31	14
347	ZrO ₂ @Ag composite catalyst for hydrogenation reduction of organic dye: Preparation and characterization as well as catalytic performance evaluation. 2015 , 41, 12453-12458	8
346	Sensing using plasmonic nanostructures and nanoparticles. 2015 , 26, 322001	169
345	Facile synthesis of a Ag/MoS ₂ nanocomposite photocatalyst for enhanced visible-light driven hydrogen gas evolution. 2015 , 5, 4133-4143	84
344	Morphology dependent nanosecond and ultrafast optical power limiting of CdO nanomorphotypes. 2015 , 5, 35017-35025	27
343	Facile Synthesis of Size-Tunable Silver Nanoparticles by Heteroepitaxial Growth Method for Efficient NIR SERS. 2015 , 10, 753-763	11
342	A Possible Oriented Attachment Growth Mechanism for Silver Nanowire Formation. 2015 , 15, 1968-1974	46
341	Chloride-induced shape transformation of silver nanoparticles in a water environment. 2015 , 204, 145-51	21
340	Luminescent, ferromagnetic silver glyconanoparticles: synthesis to annealing-induced substrate specific transformation. 2015 , 5, 28901-28907	5
339	Mass Transport in Nanowire Synthesis: An Overview of Scalable Nanomanufacturing. 2015 , 31, 523-532	7
338	Evidence of plasmonic effects in random orientation silver nanowire meshes on silicon. 2015 , 116, 257-264	6
337	Close-packed two-dimensional silver nanoparticle arrays: quadrupolar and dipolar surface plasmon resonance coupling. 2015 , 21, 6165-72	17
336	Theoretical study of optical torques for aligning Ag nanorods and nanowires. 2015 , 162, 133-142	14

335	Gold nanoparticles biofunctionalized (grafted) with chiral amino acids: a practical approach to determining the enantiomeric percentage of racemic mixtures. 2015 , 7, 4560-4567	15
334	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. 2015 , 17, 3727-3762	100
333	Multishell Au/Ag/SiO ₂ nanorods with tunable optical properties as single particle orientation and rotational tracking probes. 2015 , 87, 4096-9	17
332	Preparation of graphene oxide with silver nanowires to enhance antibacterial properties and cell compatibility. 2015 , 5, 85748-85755	24
331	Hemocompatible, antioxidative and antibacterial polypropylene prepared by attaching silver nanoparticles capped with TPGS. 2015 , 3, 8410-8420	12
330	Conductive Nanowires Templated by Molecular Brushes. 2015 , 7, 23305-9	4
329	Disinfection of biologically treated industrial wastewater using montmorillonite/alginate/nanosilver hybrids. 2015 , 7, 273-279	12
328	Controlling shape and spatial organization of silver crystals by site-selective chemical growth method for improving surface enhanced Raman scattering activity. 2015 , 484, 508-517	5
327	Conductive silver inks and their applications in printed and flexible electronics. 2015 , 5, 77760-77790	120
326	Facile synthesis of oleylamine-capped silver nanowires and their application in transparent conductive electrodes. 2015 , 5, 74126-74131	7
325	pH-induced recovery and redispersion of shape-controlled gold nanorods for nanocatalysis. 2015 , 5, 75889-75894	14
324	Preparation of silver nanowires and their application in conducting polymer nanocomposites. 2015 , 166, 1-15	51
323	Optical Plasmons of Individual Gold Nanosponges. 2015 , 2, 1436-1442	39
322	Effect of synthesis routes on the properties and bactericidal activity of cryogels incorporated with silver nanoparticles. 2015 , 5, 44626-44635	21
321	Facile Synthesis of Ag Nanorods with No Plasmon Resonance Peak in the Visible Region by Using Pd Decahedra of 16 nm in Size as Seeds. 2015 , 9, 10523-32	74
320	Morphological Transitions during Au Electrodeposition: From Porous Films to Compact Films and Nanowires. 2015 , 162, D556-D567	11
319	Catalytic and fluorescence studies with copper nanoparticles synthesized in polysorbates of varying hydrophobicity. 2015 , 467, 233-250	17
318	Metal oxide nanopowder. 2015 , 343-401	2

317	1D copper nanostructures: progress, challenges and opportunities. 2015 , 11, 1232-52	147
316	One-pot photochemical synthesis of silver nanodisks using a conventional metal-halide lamp. 2015 , 149-150, 678-685	28
315	Core-shell-shell nanorods for controlled release of silver that can serve as a nanoheater for photothermal treatment on bacteria. 2015 , 11, 511-9	53
314	Ultrasonication assisted production of silver nanowires with low aspect ratio and their optical properties. 2015 , 22, 35-40	17
313	Green synthesis of highly concentrated aqueous colloidal solutions of large starch-stabilised silver nanoplatelets. 2015 , 46, 530-7	23
312	Colloidal polymers from inorganic nanoparticle monomers. 2015 , 40, 85-120	58
311	Assembly of Nanoparticles. 2016 , 201-216	0
310	A facile method for the synthesis of large-size Ag nanoparticles as efficient SERS substrates. 2016 , 47, 662-667	36
309	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. 2016 , 116, 10414-72	1046
308	Direct-methanol Fuel Cell Based on Functionalized Graphene Oxide with Mono-metallic and Bi-metallic Nanoparticles: Electrochemical Performances of Nanomaterials for Methanol Oxidation. 2016 , 28, 570-579	109
307	Advances in Biofunctional SERS-Active Nanoparticles for Future Clinical Diagnostics and Therapeutics. <i>ACS Symposium Series</i> , 2016 , 131-161	0.4 1
306	Determination of mercury(II) ions in aqueous solution using silver nanorods as a probe. 2016 , 8, 3756-3762	8
305	Introduction. 2016 , 1-33	
304	Biomimetic synthesis of lotus leaf extract-assisted silver nanoparticles and shape-directing role of cetyltrimethylammonium bromide. 2016 , 220, 795-801	8
303	Enhancement of emission intensity of Sr ₂ Si ₅ N ₈ :Eu ²⁺ red-emitting phosphor by localized surface plasmon resonance of Ag nanoparticles with different morphologies. 2016 , 6, 52034-52039	11
302	Size, shape and surface chemistry of nano-gold dictate its cellular interactions, uptake and toxicity. 2016 , 83, 152-190	108
301	Direct experimental observation of salt induced aspect ratio tunable PFPT silver-nanowire formation: SERS-based ppt level Hg ₂ ⁺ sensing from ground water. 2016 , 6, 45279-45289	3
300	Oxidative esterification of furfural over AuPd/HAP-T and AuAg/HAP-T bimetallic catalysts supported on mesoporous hydroxyapatite nanorods. 2016 , 6, 45907-45922	23

299	Nanosilver rainbow: a rapid and facile method to tune different colours of nanosilver through the controlled synthesis of stable spherical silver nanoparticles. 2016 , 6, 48792-48799		21
298	One-pot stirring-free synthesis of silver nanowires with tunable lengths and diameters via a Fe & Cl co-mediated polyol method and their application as transparent conductive films. 2016 , 8, 18121-18133		45
297	Synthesis and stability of bimetallic Au@Ag nanorods. 2016 , 100, 315-323		7
296	Cloning nanocrystal morphology with soft templates. 2016 , 658, 315-318		1
295	Simple route to anchor silver nanoparticles into thiol-functionalized mesoporous silica: synthesis, characterization and electrochemical applications. 2016 , 18, 1		5
294	Synthesis and Characterization of Ru Cubic Nanocages with a Face-Centered Cubic Structure by Templating with Pd Nanocubes. 2016 , 16, 5310-7		84
293	Silver nanoparticles as a challenge for modern cosmetology and pharmacology. 2016 , 395-417		2
292	Surface area-dependent second harmonic generation from silver nanorods. 2016 , 18, 23215-9		5
291	One-pot polyol synthesis of highly monodisperse short green silver nanorods. <i>Chemical Communications</i> , 2016 , 52, 10960-3	5.8	14
290	Enhancement of plasmonic resonance through an exchange reaction on the surface of silver nanoparticles: application to the highly selective detection of triazophos pesticide in food and vegetable samples. 2016 , 6, 80739-80747		23
289	Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials. 2016 , 116, 11220-89		1067
288	Dendritic gold nanowires supported on SiO ₂ nanoparticles fabricated by a seed growth method. 2016 , 40, 7048-7052		8
287	High yield polyol synthesis of round- and sharp-end silver nanowires with high aspect ratio. 2016 , 184, 130-137		26
286	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. 2016 , 45, 711-713		
285	Silver nanoparticles exhibit size-dependent differential toxicity and induce expression of syncytin-1 in FA-AML1 and MOLT-4 leukaemia cell lines. 2016 , 31, 695-702		7
284	Anisotropic Gold-based Nanoparticles: Preparation, Properties, and Applications. 2016 , 45, 488-498		27
283	Large-area two-dimensional bismuth selenide crystals synthesized by solution-based control of the nucleation environment. 2016 , 6, 106960-106963		5
282	One-pot synthesis of poly vinyl alcohol (PVA) supported silver nanoparticles and its efficiency in catalytic reduction of methylene blue. 2016 , 26, 2693-2700		27

281	Green synthesis of Ag nanoparticles in large quantity by cryomilling. 2016 , 6, 111380-111388	28
280	Synthesis and Plasmonic Property of Ag Nanorods. 2016 , 11, 1645-1652	8
279	Sui Generis Cerulean Fluorescence from YAG:Ce by Selective Plasmonic Mode Coupling with Silver Nanorods. 2016 , 11, 395-402	
278	Bio-inspired synthesis of Ni(OH) ₂ nanobristles on various substrates and their applications. 2016 , 4, 6919-6925	37
277	Incorporation of silver and gold nanostructures for performance improvement in P3HT: PCBM inverted solar cell with rGO/ZnO nanocomposite as an electron transport layer. 2016 , 29, 79-87	42
276	Removal of coliform bacteria from industrial wastewaters using polyelectrolytes/silver nanoparticles self-assembled thin films. 2016 , 4, 137-146	21
275	Nucleation, growth, and dissolution of silver nanostructures formed in nanotubular J-aggregates of amphiphilic cyanine dyes. 2016 , 472, 187-94	8
274	Propagating Surface Plasmon Polaritons: Towards Applications for Remote-Excitation Surface Catalytic Reactions. 2016 , 3, 1500215	91
273	Toward the Synthesis of Sub-15 nm Ag Nanocubes with Sharp Corners and Edges: The Roles of Heterogeneous Nucleation and Surface Capping. 2016 , 138, 3161-7	73
272	Silver nanoparticles with different morphologies: growth mechanism and stability. 2016 , 20, 58-66	3
271	Silver nanowire purification and separation by size and shape using multi-pass filtration. 2016 , 20, 86-91	9
270	Syzygium aromaticum extract mediated, rapid and facile biogenic synthesis of shape-controlled (3D) silver nanocubes. 2016 , 39, 883-91	0
269	Preparation of concentrated stable dispersions of uniform Ag nanoparticles using resorcinol as reductant. 2016 , 470, 196-203	10
268	Gold nanofluids synthesised using antioxidant catechin, its characterisation and studies on nucleation. 2016 , 11, 328-344	1
267	Effects of UV-vis spectroscopy properties of methyl orange containing silver nanoparticles. 2016 , 230, 99-103	
266	Tuning the Plasmon of Metallic Nanostructures: From Silver Nanocubes Toward Gold Nanoboxes. 2016 , 11, 1011-1017	7
265	Facile synthesis of three dimensional CdS nanoflowers with high photocatalytic performance. 2016 , 656, 972-977	26
264	Broadband plasmon-enhanced polymer solar cells with power conversion efficiency of 9.26% using mixed Au nanoparticles. 2016 , 362, 50-58	13

263	Synergistic effect of bimetallic Ag@Cu nanorods modified electrode for enhanced electrochemical sensing of thiocyanate ions. 2016 , 42, 2539-2551	5
262	Gelatin-Immobilized High Aspect Ratio Gold Nanocrystals: An Efficient Catalyst for 4-Nitrophenol Reduction. 2017 , 36, 301-308	2
261	Deposition of silver nanoparticles on polyester fiber under ultrasound irradiations. 2017 , 34, 13-18	14
260	Review on light management by nanostructures in chalcopyrite solar cells. 2017 , 32, 043003	32
259	Plant latex capped colloidal silver nanoparticles: A potent anti-biofilm and fungicidal formulation. 2017 , 230, 705-713	21
258	Photovoltaics: Nanoengineered Materials and Their Functionality in Solar Cells. 2017 , 181-206	1
257	Development of a new colorimetric assay for detection of bisphenol-A in aqueous media using green synthesized silver chloride nanoparticles: experimental and theoretical study. 2017 , 409, 2847-2858	12
256	Investigations of Capping Agent Adsorption for Metal Nanoparticle Stabilization and the Formation of Anisotropic Gold Nanocrystals. 2017 , 199-246	1
255	Colorimetric sensor assay for detection of hydrogen peroxide using green synthesis of silver chloride nanoparticles: Experimental and theoretical evidence. 2017 , 246, 979-987	31
254	Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. 2017 , 5, 6593-6600	78
253	Highly Stable Silica-Coated Gold Nanoflowers Supported on Alumina. 2017 , 33, 4313-4318	17
252	Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. 2017 , 95, 181-188	32
251	Electrodeposition of ultra-long copper nanowires on a titanium foil electrode for nonenzymatic voltammetric sensing of glucose. 2017 , 184, 2837-2843	6
250	Directional growth of Ag nanorod from polymeric silver cyanide: A potential substrate for concentration dependent SERS signal enhancement leading to melamine detection. 2017 , 183, 402-407	4
249	Order-disorder phase transitions in Au-Cu nanocubes: from nano-thermodynamics to synthesis. 2017 , 9, 9267-9274	25
248	Anisotropic metal nanoparticles for surface enhanced Raman scattering. 2017 , 46, 3866-3885	311
247	Silver nanowires: Synthesis technologies, growth mechanism and multifunctional applications. 2017 , 223, 1-23	144
246	Electrocatalysis of Facet-controlled Noble Metal Nanomaterials for Low-temperature Fuel Cells. 2017 , 373-399	3

245	A Review of Silver Nanoparticles: Research Trends, Global Consumption, Synthesis, Properties, and Future Challenges. 2017 , 64, 732-756	179
244	A luminescent layered hybrid AgRu/LDH as a photocatalytic antibacterial agent. 2017 , 41, 7260-7266	12
243	Fabrication, Conductive Properties and Photocatalytic Application of Silver Nanorods. 2017 , 26, 3548-3559	
242	Shape-selective catalysis and surface enhanced Raman scattering studies using Ag nanocubes, nanospheres and aggregated anisotropic nanostructures. 2017 , 498, 248-262	23
241	Growth of Silver Nanowires from Controlled Silver Chloride Seeds and Their Application for Fluorescence Enhancement Based on Localized Surface Plasmon Resonance. 2017 , 13, 1603392	24
240	Synthesis and highly effective purification of silver nanowires to enhance transmittance at low sheet resistance with simple polyol and scalable selective precipitation method. 2017 , 7, 16139-16148	63
239	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. 2017 , 129, 60-98	55
238	Gold nanostructures with near-infrared plasmonic resonance: Synthesis and surface functionalization. 2017 , 336, 28-42	63
237	Seed-Mediated Growth of Colloidal Metal Nanocrystals. 2017 , 56, 60-95	428
236	Structure evolution of self-catalyzed grown Au, Ag and their alloy nanostructure. 2017 , 479, 9-15	3
235	Controlled formation of intense hot spots in Pd@Ag core-shell nanooctapods for efficient photothermal conversion. 2017 , 111, 073903	6
234	Suspended tungsten-based nanowires with enhanced mechanical properties grown by focused ion beam induced deposition. 2017 , 28, 445301	7
233	Single-Walled Carbon Nanotube Engendered Pseudo-1D Morphologies of Silver Nanowire. 2017 , 121, 20468-20480	8
232	Temperature regulation growth of Au nanocrystals: from concave trisoctahedron to dendritic structures and their ultrasensitive SERS-based detection of lindane. 2017 , 5, 10399-10405	19
231	Fully alloyed Ag/Au nanorods with tunable surface plasmon resonance and high chemical stability. 2017 , 9, 14875-14880	45
230	One Dimensional Silver-based Nanomaterials: Preparations and Electrochemical Applications. 2017 , 13, 1701091	42
229	Role of silver nanotube on conductivity, dielectric permittivity and current voltage characteristics of polyvinyl alcohol-silver nanocomposite film. 2017 , 111, 266-273	21
228	Mechanistic insight into the rapid one-step facile biofabrication of antibacterial silver nanoparticles from bacterial release and their biogenicity and concentration-dependent in vitro cytotoxicity to colon cells. 2017 , 7, 40034-40045	49

227	Anatase TiO ₂ as an Anode Material for Rechargeable Aqueous Aluminum-Ion Batteries: Remarkable Graphene Induced Aluminum Ion Storage Phenomenon. 2017 , 121, 26241-26249	52
226	Synthesis of nanobelt-like 1-dimensional silver/nanocarbon hybrid materials for flexible and wearable electronics. 2017 , 7, 4931	14
225	Synthesis of reduced-size gold nanostars and internalization in SH-SY5Y cells. 2017 , 505, 1055-1064	13
224	A review on green synthesis of silver nanoparticles and their applications. 2017 , 45, 1272-1291	326
223	Fractionation of Gold Nanorod Dimers by Stepwise Density Gradient Centrifugation. 2017 , 46, 1785-1788	1
222	Gold Nanorods as Nanodevices for Bioimaging, Photothermal Therapeutics, and Drug Delivery. 2017 , 65, 625-628	33
221	Synthesis of high-purity silver nanorods with tunable plasmonic properties and sensor behavior. 2017 , 5, 27	23
220	Nanoarchitectonic Metals. 2017 , 135-171	11
219	Green Intelligent Nanomaterials by Design (Using Nanoparticulate/2D-Materials Building Blocks) Current Developments and Future Trends. 2017 ,	1
218	Sustainable Delivery Systems Through Green Nanotechnology. 2017 , 17-32	20
217	Polyelectrolyte Multilayer Film Coated Silver Nanorods: An Effective Carrier System for Externally Activated Drug Delivery. 2017 , 225, 012080	2
216	Comprehensive Supramolecular Chemistry II: Facet Control in Nanocrystal Growth. 2017 , 129-156	
215	The role of ligands in coinage-metal nanoparticles for electronics. 2017 , 8, 2625-2639	14
214	Catalytic potential of bio-synthesized silver nanoparticles using <i>Convolvulus arvensis</i> extract for the degradation of environmental pollutants. 2018 , 181, 44-52	94
213	Recent advances in synthetic methods and applications of silver nanostructures. 2018 , 13, 54	62
212	Assembly, growth and conductive properties of tellurium nanorods produced by <i>Rhodococcus aetherivorans</i> BCP1. 2018 , 8, 3923	30
211	CTAB capped synthesis of bio-conjugated silver nanoparticles and their enhanced catalytic activities. 2018 , 258, 133-141	27
210	Silver-Assisted Synthesis of Gold Nanorods: the Relation between Silver Additive and Iodide Impurities. 2018 , 14, e1703879	23

209	Plasmonic Effects of Silver Nanoparticles Embedded in the Counter Electrode on the Enhanced Performance of Dye-Sensitized Solar Cells. 2018 , 34, 5367-5373	16
208	Localized surface plasmon resonance based biosensing. 2018 , 18, 279-296	42
207	Promising method for preparation the PVA/Ag nanocomposite and Ag nano-rods. 2018 , 744, 701-711	35
206	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. 2018 , 101, 46-55	8
205	Synthesis and antimicrobial effects of highly dispersed, cellulose-stabilized silver/cellulose nanocomposites.. 2018 , 8, 3646-3656	16
204	Colloidal Plasmonic Nanocomposites: From Fabrication to Optical Function. 2018 , 118, 3100-3120	80
203	Synthesis and electrochemical properties of silver dendrites and silver dendrites/rGO composite for applications in paracetamol sensing. 2018 , 100, 295-301	21
202	The synthesis of high yield Au nanoplate and optimized optical properties. 2018 , 114, 124-142	17
201	Surfactant-assisted shape separation from silver nanoparticles prepared by a seed-mediated method. 2018 , 540, 136-142	10
200	Silver nanoparticles with low cytotoxicity: controlled synthesis and surface modification with histidine. 2018 , 53, 4768-4780	11
199	Synthesis of highly stable silver nanorods and their application as SERS substrates. 2018 , 3, 196-205	19
198	Growth Behavior of Gold Nanorods Synthesized by the Seed-Mediated Method: Tracking of Reaction Progress by Time-Resolved X-ray Absorption Near-Edge Structure, Small-Angle X-ray Scattering, and Ultraviolet-Visible Spectroscopy. 2018 , 122, 7982-7991	9
197	The enhanced electronic communication in ferrocenemethanol molecular cluster based on intermolecular hydrogen-bonding. 2018 , 29, 179-182	1
196	Alignment of Ag nanoparticles with graft copolymer bearing thiocarbonyl moieties. 2018 , 24, 605-611	12
195	Graphene nanoplatelets-silver nanorods-polymer based in-situ hybrid electrode for electroanalysis of dopamine and ascorbic acid in biological samples. 2018 , 449, 558-566	25
194	Thin-film microextraction coupled to surface enhanced Raman scattering for the rapid detection of benzoic acid in carbonated beverages. 2018 , 178, 268-273	24
193	React-on-Demand (RoD) Fabrication of Highly Conductive Metal-Polymer Hybrid Structure for Flexible Electronics via One-Step Direct Writing or Printing. 2018 , 28, 1704671	5
192	Ultrasensitive colorimetric detection of triazophos based on the aggregation of silver nanoparticles. 2018 , 538, 343-349	20

191	Precisely Controllable Synthesized Nanoparticles for Surface Enhanced Raman Spectroscopy. 2018 ,	1
190	Morphology Effect on SERS Activity of Embedded Silver Nanostructures. 2018 , 215, 1800533	2
189	Ag Nanocrystals with Nearly Ideal Optical Quality: Synthesis, Growth Mechanism, and Characterizations. 2018 , 140, 17734-17742	25
188	CoreShell Gold@Silver Nanorods of Varying Length for High Surface-Enhanced Raman Scattering Enhancement. 2018 , 1, 5589-5600	30
187	Linear self-assembly and grafting of gold nanorods into arrayed micrometer-long nanowires on a silicon wafer via a combined top-down/bottom-up approach. 2018 , 13, e0195859	3
186	Synthesis and characterization of TiO ₂ nanotubes doped with Fe via in situ Anodization. 2018 , 29, 15814-15820	4
185	Improved Efficiency of Inverted Perovskite Solar Cells Via Surface Plasmon Resonance Effect of Au@PSS Core-Shell Tetrahedra Nanoparticles. 2018 , 2, 1800061	17
184	Facile Synthesis of Silver Icosahedral Nanocrystals with Uniform and Controllable Sizes. 2018 , 4, 1071-1077	5
183	,-Heteroacene-Based Conjugated Microporous Polymers as Fluorescent Sensors and Effective Antimicrobial Carriers.. 2018 , 1, 473-479	10
182	Prediction of plasmons in silver nanorods using artificial neural networks with back propagation algorithm. 2018 , 172, 721-729	8
181	Prussian Blue Nanoparticles as a Versatile Photothermal Tool. 2018 , 23,	34
180	Bimetallic Ultrathin Nanowires. 2018 , 271-292	
179	□Radiation induced synthesis of silver nanoparticles in aqueous poly (N-vinylpyrrolidone) solution. 2018 , 556, 148-156	11
178	3D Assembly of Metal Nanoparticles at Oleic Acid/Water Interface via Their Autonomous and Rapid Interfacial Locomotion. 2018 , 5, 1800981	3
177	Facile and environmental benign in situ synthesis of silver nanoparticles for multifunctionalization of wool fibers. 2018 , 25, 29054-29069	20
176	Preparation of triangular silver nanoplates by silver seeds capped with citrate-CTA.. 2018 , 8, 28934-28943	12
175	A High-Performance Plasmonic Nanosensor Based on an Elliptical Nanorod in an MIM Configuration. 2018 , 18, 6145-6153	10
174	Synthesis of Colloidal Metal Nanocrystals: A Comprehensive Review on the Reductants. 2018 , 24, 16944-16963	93

173	Noble Metal Nanoparticles: Synthesis and Optical Properties. 2019 , 61-88	6
172	Uptake and impact of silver nanoparticles on the growth of an estuarine dinoflagellate, <i>Prorocentrum minimum</i> . 2019 , 15, 100181	4
171	Piezotronics and Piezo-phototronics of Third Generation Semiconductor Nanowires. 2019 , 119, 9303-9359	112
170	Broadband plasmonic coupling and enhanced power conversion efficiency in luminescent solar concentrator. 2019 , 203, 110150	7
169	One-pot electrosynthesis of silver nanorods/graphene nanocomposite using 4-sulphocalix[4]arene for selective detection of oxalic acid. 2019 , 301, 127132	17
168	Seed mediated synthesis of highly stable CTAB capped triangular silver nanoplates for LSPR sensing. 2019 , 6, 105075	12
167	Investigation of the role of polyol molecular weight in the polyol synthesis of silver nanoparticles. 2019 , 6, 115067	1
166	The morphology control on the preparation of silver nanotriangles. 2019 , 19, 1187-1194	7
165	Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions. 2019 , 224, 115187	12
164	Optical Detection of Small Metabolites for Biological Gas Conversion by using Metal Nanoparticle Monolayers Produced by Capillary-Assisted Transfer. 2019 , 91, 13152-13157	
163	Unified Methodology for Fabrication and Quantification of Gold Nanorods, Gold Core Silver Shell Nanocuboids, and Their Polymer Nanocomposites. 2019 , 35, 13011-13019	10
162	A naturally-derived supramolecular elastomer containing green-synthesized silver nanofibers for self-repairing E-skin sensor. 2019 , 7, 578-585	27
161	Ultrasmall (. 2019 , 11, 5661-5667	17
160	A facile strategy for the synthesis of silver nanostructures with different morphologies. 2019 , 235, 121629	9
159	A review of developments and applications of thin-film microextraction coupled to surface-enhanced Raman scattering. 2019 , 40, 2041-2049	9
158	Silver nano-rods: Simple synthesis and optimization by experimental design methodology. 2019 , 19, 100342	5
157	The Influence of CTAB-Capped Seeds and Their Aging Time on the Morphologies of Silver Nanoparticles. 2019 , 14, 81	9
156	Surface plasmon resonance tuning of Ag nanoisland films using a CO2 laser. 2019 , 52, 295103	3

155	Synthesis of Metallic Nanocrystals: From Noble Metals to Base Metals. 2019 , 12,	11
154	Plasmonics with Metallic Nanowires. 2019 , 12,	7
153	Poly(vinyl pyrrolidone)-mediated synthesis of silver nanowires decorated with silver nanospheres and their antimicrobial activity. 2019 , 42, 1	6
152	Electrochemically Synthesized Porous Ag Double Layers for Surface-Enhanced Raman Spectroscopy Applications. 2019 , 35, 6340-6345	3
151	Effect of the Air/Water Interfacial Properties of Amine Derivatives on the in Situ Fabrication of Microsized Gold Sheets. 2019 , 35, 4029-4036	1
150	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. 2019 , 119, 8972-9073	148
149	Optical Properties of Submillimeter Silver Nanowires Synthesized Using the Hydrothermal Method. 2019 , 12,	9
148	Role of a cystine-based Gemini surfactant ligand in the synthesis of catalytic active silver nanoparticles. 2019 , 284, 110-116	6
147	Biogenic Nanoparticle-Chitosan Conjugates with Antimicrobial, Antibiofilm, and Anticancer Potentialities: Development and Characterization. 2019 , 16,	40
146	Noble Metal-Based Plasmonic Nanoparticles for SERS Imaging and Photothermal Therapy. 2019 , 83-109	8
145	Monodispersed Systems. 2019 , 225-417	1
144	Inorganic and organic/inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. 2019 , 47-99	5
143	Preparation of Gold Nanowires by Photochemical Glucose Reduction. 2019 , 807, 11-17	
142	Biosynthetic Conversion of Ag ⁺ to highly Stable Ag ⁰ Nanoparticles by Wild Type and Cell Wall Deficient Strains of. 2018 , 24,	40
141	Elemental silver nano-sized crystals: various geometric forms and their specific growth parameters. 2019 , 25, 54-75	2
140	Simultaneous detection of different probe molecules using silver nanowires as SERS substrates. 2019 , 213, 150-158	5
139	Urease-induced metallization of gold nanorods for the sensitive detection of Salmonella enterica Choleraesuis through colorimetric ELISA. 2019 , 102, 1997-2007	26
138	The Influence of Silver Nanoparticle Sizes on Antibacterial Activity, Cytotoxicity and Genotoxicity of Alginate Hydrogel Beads Containing Silver Nanoparticles. 2019 , 886, 70-77	

137	Silver Nanomaterials and Their Polymer Nanocomposites. 2019 , 47-89	8
136	Synthesis and characterization of size- and shape-controlled silver nanoparticles. 2019 , 4,	20
135	Functional Nanomaterials and Nanostructures Enhancing Electrochemical Biosensors and Lab-on-a-Chip Performances: Recent Progress, Applications, and Future Perspective. 2019 , 119, 120-194	271
134	Synthesis of silver nanoparticles with different shapes. 2019 , 12, 1823-1838	189
133	Controlled In Situ Seed-Mediated Growth of Gold and Silver Nanoparticles on an Optical Fiber Platform for Plasmonic Sensing Applications. 2020 , 15, 51-60	9
132	The shining brightness of daylight fluorescent pigments: Raman and SERS study of a modern class of painting materials. 2020 , 152, 104292	9
131	Sustainability of One-Dimensional Nanostructures. 2020 , 83-113	22
130	Synthesis and application of silver nanoparticles as biocidal agent in polyurethane coating. 2020 , 17, 613-620	4
129	Catalytic Reclamation of Silver Present in Photographic Waste Using Magnetically Separable TiO@CuFeO Nanocomposites and Thereof Its Use in Antibacterial Activity. 2020 , 5, 1098-1108	7
128	Facile Synthetic Route To Prepare Ultrathin Silver Nanosheets by Reducing Silver Thiolates in Interlayer Surface of Layered Double Hydroxides. 2020 , 59, 2163-2170	8
127	UV-Vis spectroscopic method for the sensitive and selective detection of mercury by silver nanoparticles in presence of alanine. 2020 , 204, 164160	15
126	Polyacrylonitrile Nanofiber Membrane Modified with Ag/GO Composite for Water Purification System. <i>Polymers</i> , 2020 , 12,	4-5 9
125	Spectroscopic investigations on the charge transfer and hydrogen bonding effect of the potential bioactive agent 4-methyl-benzyl ammonium chloride hemihydrate: A combined experimental and quantum chemical approach. 2020 , 761, 138014	1
124	Preparation of Ag-cellulose nanocomposite for the selective detection and quantification of mercury at nanomolar level and the evaluation of its photocatalytic performance. 2020 , 164, 911-919	11
123	Ag nanoparticle-based efficiency enhancement in an inverted organic solar cell. 2020 , 90, 30201	2
122	Aluminum Nanocrystals Grow into Distinct Branched Aluminum Nanowire Morphologies. 2020 , 20, 6644-6650	2
121	Sensitive and robust colorimetric assay for the detection of Hg ²⁺ at nanomolar level from real samples by TMPM functionalized Ag-Fe NCs and it's photocatalytic and antimicrobial activities. 2020 , 8, 104305	12
120	Kinetics of the Interaction between Thio-Compounds and Triangular Silver Nanoplates in an Aqueous Solution. 2020 , 94, 1092-1097	1

119	Surfactants: Recent advances and their applications. 2020 , 22, 100537	23
118	Synthesis of Silver Nanoplates with the Assistance of Natural Polymer (Sodium Alginate) Under 0 °C. 2020 , 13,	1
117	Surface-enhanced Raman spectroscopy for chemical and biological sensing using nanoplasmonics: The relevance of interparticle spacing and surface morphology. 2020 , 7, 031307	32
116	Metal Nanoparticles-Enhanced Biosensors: Synthesis, Design and Applications in Fluorescence Enhancement and Surface-enhanced Raman Scattering. 2020 , 15, 3180-3208	37
115	Heterometallic Seed-Mediated Growth of Monodisperse Colloidal Copper Nanorods with Widely Tunable Plasmonic Resonances. 2020 , 20, 7263-7271	19
114	Synthesis of Stable and Monodispersed Cobalt Nanoparticles and Their Application as Light-Driven Photocatalytic Agents for Dye Degradation. 2020 , 123-150	1
113	AF4-ICP-MS as a powerful tool for the separation of gold nanorods and nanospheres. 2020 , 35, 1530-1536	3
112	Chiral Assembly of Gold-Silver Core-Shell Plasmonic Nanorods on DNA Origami with Strong Optical Activity. 2020 , 14, 7454-7461	32
111	Silver and copper nanowire films as cost-effective and robust transparent electrode in energy harvesting through photovoltaic: A review. 2020 , 24, 101317	10
110	Enhanced SPR signals based on methylenediphosphonic acid functionalized Ag NPs for the detection of Hg(II) in the presence of an antioxidant glutathione. 2020 , 311, 113281	7
109	Hybridizing Plasmonic Materials with 2D-Transition Metal Dichalcogenides toward Functional Applications. 2020 , 16, e1904271	49
108	Synthesis and application of silver nanorods for the colorimetric detection of sulfate in water. 2020 , 116, 107900	4
107	Advances and challenges in metallic nanomaterial synthesis and antibacterial applications. 2020 , 8, 4764-4777	37
106	Maillard Reaction-Controlled Synthesis of Ultrathin Silver Nanowires and Fabrication of Transparent Conductive Electrodes with Low Haze. 2020 , 59, 13572-13577	3
105	Rational Synthesis of Cylindrical Silver Single-crystalline Nanowires via Poly(vinyl pyrrolidone) Reduction of AgCl. 2020 , 35, 473-481	
104	Silver Nanostructures, Chemical Synthesis Methods, and Biomedical Applications. 2020 , 281-303	
103	Injection time controls the final morphology of nanocrystals during in situ-seeding synthesis of silver nanodisks. 2020 , 22, 1769-1778	2
102	Highly selective and effective environmental mercuric ion detection method based on starch modified Ag NPs in presence of glycine. 2020 , 465, 125564	16

101	Recent progress in silver nanowire networks for flexible organic electronics. 2020 , 8, 4636-4674	66
100	Selective colorimetric nano-sensing solution for the determination of phosphate ion in drinking water samples. 2020 , 1-10	7
99	Synthesis of Silver Nanoparticles Using Chitosan as Stabilizer Agent: Application towards Electrocatalytical Reduction of p-Nitrophenol. 2020 , 5, 1220-1227	8
98	Silver Island Film for Enhancing Light Harvesting in Natural Photosynthetic Proteins. 2020 , 21,	3
97	Colorimetric detection of fluoxetine using citrate-capped silver nanoparticles. 2020 , 2, 1	2
96	Fatigue and the electrical resistance of silver nanowire networks. 2020 , 181, 97-100	5
95	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. 2021 , 121, 649-735	140
94	Observation of speeding growth of metal nanowires by ultra-low frequency micro-vibration assisted superplastic nanomolding. 2021 , 283, 128890	0
93	Production of extracellular silver nanoparticles by radiation-resistant <i>Deinococcus wulumuqiensis</i> R12 and its mechanism perspective. 2021 , 100, 217-223	2
92	Recent improvements in enzyme-linked immunosorbent assays based on nanomaterials. 2021 , 223, 121722	30
91	A Principal Curves-Based Method for Electronic Tongue Data Analysis. 2021 , 21, 4957-4965	1
90	Recent advances and perspective on heterogeneous catalysis using metals and oxide nanocrystals. 2021 , 5, 151-222	7
89	Development of an Electronic Tongue Based on a Nanocomposite for Discriminating Flavor Enhancers and Commercial Salts. 2021 , 21, 1250-1256	7
88	CHAPTER 2:Water-compatible Colloidal Nanocrystals. 2021 , 47-76	
87	Study on Plasma Control and Enhanced Resonance Raman Scattering of Au Nano-Rods. 2021 , 10, 134-141	
86	Multifunctional plasmonic nanomaterials. 2021 , 297-330	0
85	Vitamin C assisted synthesis of rGO-Ag/PANI nanocomposites for improved photocatalytic degradation of pharmaceutical wastes.. 2021 , 11, 12030-12035	3
84	Plasmonic Nanoparticles: Advanced Researches (II). 2021 , 1309, 161-190	1

83	4.9% Au stabilizes Ag in an atomically homogenous bimetallic alloy for anisotropic nanocrystals with enhanced stability under light irradiation. 2021 , 13, 10335-10341	0
82	Shape anisotropic magnetic thrombolytic actuators: synthesis and systematic behavior study. 2021 , 9, 4941-4955	2
81	Recent advancements in coinage metal nanostructures and bio-applications. 2021 , 2, 1507-1529	13
80	Synthetic preparations and atomic scale engineering of silver nanoparticles for biomedical applications. 2021 , 13, 13923-13942	5
79	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. 2021 , 23, 3439-3458	11
78	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. 2021 , 50, 11293-11380	20
77	CHAPTER 15:Miscellaneous Reductants. 2021 , 393-459	0
76	Synthesis of silver nanowires in a two-phase system for biological applications. 2021 , 35, e6213	5
75	Silver Nanowire Synthesis and Strategies for Fabricating Transparent Conducting Electrodes. 2021 , 11,	9
74	Controlling plasmon propagation and enhancement via reducing agent in wet chemistry synthesized silver nanowires. 2021 , 29, 8834-8845	1
73	Understanding the Solution-Phase Growth of Cu and Ag Nanowires and Nanocubes from First Principles. 2021 , 37, 4419-4431	5
72	Controlled Sulfurization of Ag Nanorod into Ag-Ag ₂ S Hetero-Nanorod. 2021 , 42, 1024-1027	
71	Synthesis and Characterization of Size-Controlled Titania Nanorods through Double Surfactants. 2021 , 60, 7952-7960	0
70	Synthesis of Plasmonic Nanoparticles for Photo- and Electrocatalysis. 2021 , 71-108	
69	Electronic Textiles Based on Highly Conducting Poly(vinyl alcohol)/Carbon Nanotube/Silver Nanobelt Hybrid Fibers. 2021 , 13, 31051-31058	7
68	Quantitative understanding of nucleation and growth kinetics of silver nanowires. 2021 , 414, 128711	4
67	Zero- \bar{r} Two-Dimensional Metal Nanostructures: An Overview on Methods of Preparation, Characterization, Properties, and Applications. 2021 , 11,	1
66	Understanding the Adsorption of Peptides and Proteins onto PEGylated Gold Nanoparticles. 2021 , 26,	1

65	Amphiphilic ionic liquid assembly route for the synthesis of polymer/Ag spheres and Ag-decorated bimodal porous silica. 2021 , 337, 116477	2
64	Review of synthesis and sensing applications of anisotropic silver and gold nanostructures. 2021 , 39, 050801	1
63	Harvesting Light To Produce Heat: Photothermal Nanoparticles for Technological Applications and Biomedical Devices. 2021 , 27, 15361-15374	7
62	On the Origin of Sinter-Resistance and Catalyst Accessibility in Raspberry-Colloid-Templated Catalyst Design. 2106876	3
61	Controllable preparation of (200) facets preferential oriented silver nanowires for non-invasive detection of glucose in human sweat. 2021 , 2, 150-157	3
60	Metal Nanowires Synthesized by Solution-Phase Methods. 2003 , 211-234	1
59	Chemical and Biomolecular Interactions in the Assembly of Nanowires. 2003 , 235-254	1
58	Optical Properties and Applications of Shape-Controlled Metal Nanostructures. 2012 , 205-238	2
57	Metallic Nanostructures: Fundamentals. 2015 , 1-47	2
56	Surface Characteristics. 2004 , 201-222	2
55	Noble Metal Nanoparticles. 2017 , 125-210	5
54	Quantum Mechanical Examination of Optical Absorption Spectra of Silver Nanorod Dimers. 2009 , 253-264	7
53	Plasmonically Enhanced Dye-Sensitized Solar Cells. 2013 , 125-147	2
52	Size and Shape Selective Synthesis of Metal Nanoparticles by Seed-Mediated Method and the Catalytic Activity of Growing Microelectrodes (GME) and Fully Grown Microelectrodes (FGME). 2008 , 419-425	2
51	Roles of zwitterionic charges in polymers on synthesis of Ag seeds with anisotropic growth properties. 2020 , 89, 166-174	3
50	Chemical stability and surface-enhanced Raman scattering property of platinum-modified silver nanorods. 2017 , 654, 157-163	1
49	Gold Nanoparticles with Elongated Shapes: Synthesis and Optical Properties. 2012 , 122, 346-349	2
48	Alloyed Au-Ag nanorods with desired plasmonic properties and stability in harsh environments. 2019 , 7, 558	25

47	Nanofabrication. 2006 , 303-330	4
46	Nonlinear properties of silver nanoparticles explored by a femtosecond Z-scan technique. 2015 , 55,	12
45	A Review on Metal Nanostructures: Preparation Methods and Their Potential Applications. 2016 , 05, 27-43	42
44	Self-Organization of Metallic Nanorods into Liquid Crystalline Arrays. 2005 , 515-524	
43	Nature-Inspired Templated Nanoparticle Superstructures. 2005 , 269-338	
42	STUDIES ON FIBERLIKE MICELLES OF STAR BLOCK COPOLYMER/GOLD NANOPARTICLES HYBRID MATERIAL. 2009 , 009, 1025-1030	
41	Synthesis of Anisotropic Noble Metal Nanoparticles and their Application. 2016 , 89, 117-121	
40	Polymer Template-Directed Synthesis. 2017 , 317-414	0
39	Hard Template-Directed Synthesis. 2017 , 415-536	0
38	Achievements in the Synthesis of Elemental Silver Nanoparticles with Various Geometric Forms. 2018 , 15, 112-128	2
37	Comparative Analysis of Commercial Colloidal Silver Products. 2020 , 15, 10425-10434	5
36	Chemical synthesis of silver nanoparticles. 2022 , 21-53	0
35	Biosynthesis of Silver Nanoparticles: Synthesis, mechanism, and characterization. 2022 , 397-440	0
34	Enzymatic synthesis of silver nanoparticles: Mechanisms and applications. 2022 , 699-756	0
33	Controlled preparation of arsenic nanoparticles. 2021 , 23, 1	0
32	Copper Nanocrystals. 2008 , 143-148	
31	CHAPTER 6:Elemental Nanowires. 2021 , 374-420	
30	Molecular nanoinformatics approach assessing the biocompatibility of biogenic silver nanoparticles with channelized intrinsic steatosis and apoptosis.	4

- 29 A compendium and meta-analysis of flatband potentials for TiO₂, ZnO, and SnO₂ semiconductors in aqueous media. **2022**, 3, 011303 ○
- 28 Amphiphilic Self-Assembly in the Synthesis and Processing of Nanomaterials. **2022**, 475-514
- 27 Surface Color on Demand: Chameleon Effect. **2022**, 74, 847
- 26 Physical Properties and the Reconstruction of Unstable Decahedral Silver Nanoparticles Synthesized Using Plasmon-Mediated Photochemical Process.. **2022**, 12, ○
- 25 Green synthesis, characterization and antibacterial activity of silver nanoparticles by Biarum chaduchrum leaf extract. **2022**, 128, 1
- 24 General Background of SERS Sensing and Perspectives on Polymer-Supported Plasmon-Active Multiscale and Hierarchical Sensor Particles. **2022**, 10, 2102001 1
- 23 Characteristic of Ag/TiO₂/BiO₂ bionanocatalysts prepared by sol-gel method as potential antineoplastic compounds. **2022**, 45, 1 ○
- 22 Electrochemical aspects of coinage metal nanoparticles for catalysis and spectroscopy.. **2022**, 12, 12116-121351
- 21 Silver Nanowire Synthesis and Applications in Composites: Progress and Prospects. 2200027 ○
- 20 Chitosan and cetyltrimethylammonium bromide capped Iridium-silver bimetallic nanoparticles: A comparative study. **2022**, 119182 ○
- 19 Design of a nanocytosensor for isolation and electrochemical detection of folate-overexpressed circulating tumor cells. **2022**, 131873 ○
- 18 Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. **2006**, 67-86
- 17 Three-Step, Seed-Mediated Synthesis of Ultrathin AgNWs in Aqueous Solution. *Chemistry of Materials*, 9.6 ○
- 16 Nanocomposites of Epoxy and Metal Nanoparticles. *ACS Symposium Series*, 267-297 0.4 ○
- 15 Synthesis and Analysis of Polymorphic Silver Nanoparticles and Their Incorporation into the Polymer Matrix. *Polymers*, **2022**, 14, 2666 4-5
- 14 Role of surface-active materials (amphiphiles and surfactants) in the formation of nanocolloidal dispersions, and their applications.
- 13 Significant quantum yield enhancement for near infrared fluorescence dyes by silica templated silver nanorods. **2022**, 9, 031406 ○
- 12 Mini review of synthesis strategies of silver nanowires and their applications. **2022**, 50, 100663 2

- 11 Preparation of triangular silver nanoplates by improved light-driven seed growth method. **2022**, 145, 110012 ○
- 10 MultiShapeC, an algorithm to assess concentration in multi-shape nanoparticle samples: nanosilver, a case study. **2022**, 12, 26550-26555 ○
- 9 Synthesis and Characterization of 1H-Imidazole-4,5-dicarboxylic Acid-Functionalized Silver Nanoparticles: Dual Colorimetric Sensors of Zn²⁺ and Homocysteine. **2022**, 7, 33423-33431 ○
- 8 Silver nanoparticles as a nanoprobe for trace level simultaneous detection of streptomycin sulfate and isoniazid and anti-TB activity of their nanoparticles complexes. **2023**, 1275, 134634 ○
- 7 Ag Nanostructure Morphologies and Physicochemical Properties Dictated by the Polyols Used in the Synthesis. 76, 93-106 ○
- 6 Surface-enhanced Raman Scattering and Localized Surface Plasmon Resonance Detection of Aldehydes Using 4-ATP Functionalized Ag Nanorods. 1 ○
- 5 Synthesis and Characterization of Silver Nanoparticles for the Preparation of Chitosan Pellets and Their Application in Industrial Wastewater Disinfection. **2023**, 15, 190 ○
- 4 Ordered Labeling-Facilitated Electrochemical Assay of Alpha-Fetoprotein-L3 Ratio for Diagnosing Hepatocellular Carcinoma. **2023**, 15, 6411-6419 ○
- 3 The morphology-dependent catalytic activity of anisotropic silver nanoparticles. **2023**, 342, 134334 ○
- 2 Flexible Substrate of Cellulose Fiber/Structured Plasmonic Silver Nanoparticles Applied for Label-Free SERS Detection of Malathion. **2023**, 16, 1475 ○
- 1 Rebuildable Silver Nanoparticles Employed as Seeds for Synthesis of Pure Silver Nanopillars with Hexagonal Cross-Sections under Room Temperature. **2023**, 13, 1263 ○