

# CITATION REPORT

List of articles citing

Shape-controlled synthesis of metal nanostructures:  
the case of silver

DOI: 10.1002/chem.200400927

Chemistry - A European Journal, 2005, 11, 454-63.

**Source:** <https://exaly.com/paper-pdf/38391557/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1341	Synthesis of Well-isolated Barium Titanium Trioxide Nanocubes. <b>2005</b> , 34, 1196-1197		13
1340	Quick formation of single-crystal nanocubes of silver through dual functions of hydrogen gas in polyol synthesis. <b>2005</b> , 411, 479-483		29
1339	Self-Assembly and Characterization of Grid-Type Copper(I), Silver(I), and Zinc(II) Complexes. <b>2005</b> , 2005, 4168-4173		30
1338	Gold Nanocages: Engineering Their Structure for Biomedical Applications. <b>2005</b> , 17, 2255-2261		520
1337	Cylindrical Silver Nanowires: Preparation, Structure, and Optical Properties. <b>2005</b> , 17, 2626-2630		148
1336	DNA-Templated Silver Nanorings. <b>2005</b> , 17, 2820-2823		123
1335	Shape-controlled synthesis of metal nanostructures: the case of silver. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 454-63	4.8	1261
1334	Controlled hydrothermal synthesis of bismuth oxyhalide nanobelts and nanotubes. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 6519-24	4.8	179
1333	Interaction of silver nanoparticles with HIV-1. <b>2005</b> , 3, 6		1020
1332	Nanoparticle Ring Structures based on Protein Assemblies. <b>2005</b> , 901, 1		
1331	Miniaturized detection technology in molecular diagnostics. <b>2005</b> , 5, 549-59		19
1330	Gold nanocages: bioconjugation and their potential use as optical imaging contrast agents. <b>2005</b> , 5, 473-7		863
1329	Nanostructures via DNA scaffold metallization.		
1328	Induced Branching in Confined PbSe Nanowires. <b>2005</b> , 17, 4416-4425		92
1327	Hydrolysis in Polyol: New Route for Hybrid-Layered Double Hydroxides Preparation. <b>2005</b> , 17, 6695-6701		70
1326	Shape-Controlled Synthesis of Silver and Gold Nanostructures. <b>2005</b> , 30, 356-361		245
1325	Magnetic nanoparticles with hybrid shape. <b>2005</b> , 33, 137-145		21

1324	Synthesis of platinum multipods: an induced anisotropic growth. <b>2005</b> , 5, 885-91	260
1323	Synthesis and electrical characterization of silver nanobeams. <b>2006</b> , 6, 2273-8	134
1322	The role of twinning in shape evolution of anisotropic noble metal nanostructures. <b>2006</b> , 16, 3906	432
1321	Oriented attachment-based assembly of dendritic silver nanostructures at room temperature. <b>2006</b> , 110, 23234-41	104
1320	Preparation and characterization of Ag/SiO <sub>2</sub> core/shell type nanoparticles. <b>2006</b> ,	
1319	Right bipyramids of silver: a new shape derived from single twinned seeds. <b>2006</b> , 6, 765-8	331
1318	Probing the interaction of poly(vinylpyrrolidone) with platinum nanocrystals by UV-Raman and FTIR. <b>2006</b> , 110, 23052-9	408
1317	Glycyl Glycine Templating Synthesis of Single-Crystal Silver Nanoplates. <b>2006</b> , 6, 2155-2158	65
1316	Electrochemical preparation of platinum nanothorn assemblies with high surface enhanced Raman scattering activity. <b>2006</b> , 4090-2	88
1315	Planar tripods of platinum: formation and self-assembly. <b>2006</b> , 8, 4660-3	60
1314	Effect of Capping Agents in Tin Nanoparticles on Electrochemical Cycling. <b>2006</b> , 9, A34	35
1313	Formation of Gold Nanoplates on Indium Tin Oxide Surface: Two-Dimensional Crystal Growth from Gold Nanoseed Particles in the Presence of Poly(vinylpyrrolidone). <b>2006</b> , 6, 818-821	83
1312	Facile synthesis of micrometer-sized gold nanoplates through an aniline-assisted route in ethylene glycol solution. <b>2006</b> , 278, 33-38	75
1311	Synthesis of well-defined copper nanocubes by a one-pot solution process. <b>2006</b> , 17, 6000-6006	104
1310	Multigram synthesis of copper nanowires using ac electrodeposition into porous aluminium oxide templates. <b>2006</b> , 16, 3075	64
1309	Geometric effects on the inelastic deformation of metal nanowires. <b>2006</b> , 89, 181916	44
1308	Synthesis, characterization, and tunable optical properties of hollow gold nanospheres. <b>2006</b> , 110, 19935-44	430
1307	Study on the synthesis of silver nanowires with adjustable diameters through the polyol process. <b>2006</b> , 17, 3933-3938	79

1306	Microstructure-hardened silver nanowires. <b>2006</b> , 6, 468-72	228
1305	Controlled Synthesis and Characterization of Nanostructured EuF <sub>3</sub> with Different Crystalline Phases and Morphologies. <b>2006</b> , 6, 2169-2173	82
1304	Synthesis and characterization of Ag nanoshells by a facile sacrificial template route through in situ replacement reaction. <b>2006</b> , 45, 5145-9	60
1303	Synthesis and evolution of PbS nanocrystals through a surfactant-assisted solvothermal route. <b>2006</b> , 110, 184-9	58
1302	A thermodynamic model for the shape and stability of twinned nanostructures. <b>2006</b> , 110, 24498-504	97
1301	Fivefold symmetry in superlattices of monolayer-protected gold nanoparticles. <b>2006</b> , 110, 14040-5	33
1300	Microfluidic continuous flow synthesis of rod-shaped gold and silver nanocrystals. <b>2006</b> , 8, 3824-7	120
1299	One-step synthesis of gold and silver hydrosols using poly(N-vinyl-2-pyrrolidone) as a reducing agent. <b>2006</b> , 22, 7027-34	271
1298	Gold nanostructures: engineering their plasmonic properties for biomedical applications. <b>2006</b> , 35, 1084-94	1437
1297	Maneuvering the surface plasmon resonance of silver nanostructures through shape-controlled synthesis. <b>2006</b> , 110, 15666-75	814
1296	Tailoring the shape of colloidal gold particles with nanosecond-pulsed laser light. <b>2006</b> ,	
1295	Synthesis of gold nanotriangles and silver nanoparticles using Aloe vera plant extract. <b>2006</b> , 22, 577-83	1344
1294	Cyclodextrin as a capturing agent for redundant surfactants on Ag nanoparticle surface in phase transfer process. <b>2006</b> , 290, 143-149	7
1293	Selective synthesis of metastable MoO <sub>2</sub> nanocrystallites through a solution-phase approach. <b>2006</b> , 418, 105-108	41
1292	Comparison of the surface-enhanced Raman scattering on sharp and truncated silver nanocubes. <b>2006</b> , 427, 122-126	180
1291	Rapid synthesis of small silver nanocubes by mediating polyol reduction with a trace amount of sodium sulfide or sodium hydrosulfide. <b>2006</b> , 432, 491-496	292
1290	Chameleonic ligand in self-assembly and synthesis of polymeric manganese(II), and grid-type copper(I) and silver(I) complexes. <b>2006</b> , 25, 2643-2649	13
1289	Laser-induced morphology changes of silver colloids prepared by laser ablation in water: Enhancement of anisotropic shape conversions by chloride ions. <b>2006</b> , 183, 297-303	41

1288	Room temperature synthesis of silver nanowires from tabular silver bromide crystals in the presence of gelatin. <b>2006</b> , 179, 696-701	16
1287	A novel preparation route for platinum-polystyrene heterogeneous nanocomposite particles using alcohol-reduction method. <b>2006</b> , 297, 365-9	26
1286	On the structure of nanorods and nanowires with pentagonal cross-sections. <b>2006</b> , 286, 162-172	75
1285	Silver Nanoplates with Special Shapes: Controlled Synthesis and Their Surface Plasmon Resonance and Surface-Enhanced Raman Scattering Properties. <b>2006</b> , 18, 4894-4901	231
1284	Seedless, surfactantless photoreduction synthesis of silver nanoplates. <i>Materials Letters</i> , <b>2006</b> , 60, 828-839	24
1283	Monodisperse platinum nanoparticles of well-defined shape: synthesis, characterization, catalytic properties and future prospects. <b>2006</b> , 39, 167-174	202
1282	PVP-capped twinned gold plates from nanometer to micrometer. <b>2006</b> , 8, 927-934	50
1281	Controlled synthesis of platinum submicron and nanometric particles with novel shapes. <b>2006</b> , 84, 11-19	13
1280	Shape-Controlled Synthesis of Metal Nanostructures: The Case of Silver. <b>2006</b> , 37, no	
1279	Mass Synthesis of Large, Single-Crystal Au Nanosheets Based on a Polyol Process. <b>2006</b> , 16, 83-90	176
1278	Synthesis and SERS Properties of Nanocrystalline Gold Octahedra Generated from Thermal Decomposition of H <sub>Au</sub> Cl <sub>4</sub> in Block Copolymers. <b>2006</b> , 18, 3233-3237	138
1277	Poly(vinyl pyrrolidone)-capped five-fold twinned gold particles with sizes from nanometres to micrometres. <b>2006</b> , 17, 3533-8	49
1276	The influence of seeding conditions and shielding gas atmosphere on the synthesis of silver nanowires through the polyol process. <b>2006</b> , 17, 466-474	57
1275	Synthesis of perfect silver nanocubes by a simple polyol process. <b>2007</b> , 22, 1479-1485	20
1274	One-step, size-controllable synthesis of stable Ag nanoparticles. <b>2007</b> , 18, 285607	22
1273	Morphology-controlled synthesis of silver nanostructures via a seed catalysis process. <b>2007</b> , 18, 115612	32
1272	Synthesis of gold regular octahedra with controlled size and plasmon resonance. <b>2007</b> , 90, 163122	27
1271	Mica sheets with embedded metal nanorods: Chemical imaging in a topographically smooth structure. <b>2007</b> , 102, 064909	6

1270	Large-Scale Synthesis of Polymer-Stabilized Silver Nanoparticles. <b>2007</b> , 124-126, 1189-1192	15
1269	Functionalised Silver Nanowire Structures. <b>2007</b> , 61, 36-40	13
1268	Morphology Control of Silver Related Materials by Ultrasonic Irradiation. <b>2007</b> , 115, 934-937	1
1267	Synthesis of Microsized Gold Plates with Nanometer Thickness via a Simple Solution Route using 3-mercaptopropyltrimethoxysilane. <b>2007</b> , 115, 944-946	6
1266	Shape Selective Oxidative Etching and Growth of Single-Twin Plate-Like and Multiple-Twin Decahedral and Icosahedral Gold Nanocrystals in the Presence of Au Seeds under Microwave Heating. <b>2007</b> , 80, 2024-2038	20
1265	Does the antibacterial activity of silver nanoparticles depend on the shape of the nanoparticle? A study of the Gram-negative bacterium Escherichia coli. <b>2007</b> , 73, 1712-20	2878
1264	A facile aqueous-phase route for the synthesis of silver nanoplates. <i>Materials Letters</i> , <b>2007</b> , 61, 130-133 3,3	48
1263	Silver nanoplates: from biological to biomimetic synthesis. <b>2007</b> , 1, 429-39	443
1262	Synthesis and growth mechanism of pentagonal bipyramid-shaped gold-rich Au/Ag alloy nanoparticles. <b>2007</b> , 23, 6372-6	45
1261	Green Chemistry-Type One-Step Synthesis of Silver Nanostructures Based on MoV <sub>2</sub> O <sub>11</sub> Mixed-Valence Polyoxometalates. <b>2007</b> , 19, 5821-5823	84
1260	Synthesis and Photoluminescent Properties of Strontium Tungstate Nanostructures. <b>2007</b> , 111, 532-537	80
1259	Charge-Transfer Interaction of Poly(vinylpyrrolidone) with Platinum and Rhodium Nanoparticles. <b>2007</b> , 111, 6288-6295	168
1258	The SERS activity of a supported Ag nanocube strongly depends on its orientation relative to laser polarization. <b>2007</b> , 7, 1013-7	300
1257	Synthesis of Poly(vinyl pyrrolidone)-Stabilized Silver Nanoparticles. <b>2007</b> ,	
1256	Shape-controlled conversion of beta-Sn nanocrystals into intermetallic M-Sn (M=Fe, Co, Ni, Pd) nanocrystals. <b>2007</b> , 129, 7339-45	136
1255	Facile synthesis of silver nano/micro-ribbons or saws assisted by polyoxomolybdate as mediator agent and vanadium(IV) as reducing agent. <b>2007</b> , 3750-2	15
1254	Three-Dimensional PtRu Nanostructures. <b>2007</b> , 19, 36-41	116
1253	Controlling Length of Gold Nanowires with Large-Scale: X-ray Absorption Spectroscopy Approaches to the Growth Process. <b>2007</b> , 111, 18550-18557	40

1252	PREPARATION AND CHARACTERIZATION OF Ag(CORE)/SiO <sub>2</sub> (SHELL) NANOPARTICLES. <b>2007</b> , 14, 693-696	8
1251	Controlled Decoration of Single-Walled Carbon Nanotubes with Pd Nanocubes. <b>2007</b> , 111, 13756-13762	20
1250	High-Yield Synthesis of Complex Gold Nanostructures in a Fungal System. <b>2007</b> , 111, 16858-16865	87
1249	Formation of Rod Shape Secondary Aggregation of Copper Nanoparticles in Aqueous Solution of Sodium Borohydride with Stabilizing Polymer. <b>2007</b> , 61, 394-398	13
1248	Galvanic replacement reaction: A simple and powerful route to hollow and porous metal nanostructures. <b>2007</b> , 221, 1-16	25
1247	Chiroptical Responses of d-/l-Penicillamine-Capped Gold Clusters under Perturbations of Temperature Change and Phase Transfer. <b>2007</b> , 111, 14968-14976	70
1246	Rapid Preparation of Silver Nanorods and Nanowires by a Microwave-Polyol Method in the Presence of Pt Catalyst and Polyvinylpyrrolidone. <b>2007</b> , 7, 311-320	83
1245	Control of the Size and Shape of Inorganic Nanocrystals at Various Scales from Nano to Macrodomains. <b>2007</b> , 111, 9019-9038	197
1244	CeO <sub>2</sub> Spherical Crystallites: Synthesis, Formation Mechanism, Size Control, and Electrochemical Property Study. <b>2007</b> , 111, 1651-1657	157
1243	Growth of Magnetic Nanowires and Nanodumbbells in Liquid Polyol. <b>2007</b> , 19, 2084-2094	94
1242	Gold nanocages for cancer detection and treatment. <b>2007</b> , 2, 657-68	123
1241	The coupled effects of geometry and surface orientation on the mechanical properties of metal nanowires. <b>2007</b> , 18, 305704	44
1240	Characterizing the elasticity of hollow metal nanowires. <b>2007</b> , 18, 115707	25
1239	Solvothermal Synthesis of Multiple Shapes of Silver Nanoparticles and Their SERS Properties. <b>2007</b> , 111, 9095-9104	281
1238	Interface-mediated growth of monodispersed nanostructures. <b>2007</b> , 40, 635-43	146
1237	Roles of Twin Defects in the Formation of Platinum Multipod Nanocrystals. <b>2007</b> , 111, 14312-14319	129
1236	Growth mechanisms of silver nanoparticles: a molecular dynamics study. <b>2007</b> , 18, 035708	75
1235	Oxidation/Crystallization Process of Colloids: An Effective Approach for the Morphology Controllable Synthesis of SnO <sub>2</sub> Hollow Spheres and Rod Bundles. <b>2007</b> , 111, 11598-11603	51

1234	Mechanistic studies on the galvanic replacement reaction between multiply twinned particles of Ag and HAuCl <sub>4</sub> in an organic medium. <b>2007</b> , 129, 1733-42	313
1233	Synthesis of monodisperse spherical nanocrystals. <b>2007</b> , 46, 4630-60	1613
1232	High-yield synthesis of single-crystalline gold nano-octahedra. <b>2007</b> , 46, 3264-8	196
1231	One-step patterning of aligned nanowire arrays by programmed dip coating. <b>2007</b> , 46, 2414-7	142
1230	Chemical sharpening of gold nanorods: the rod-to-octahedron transition. <b>2007</b> , 46, 8983-7	117
1229	A water-based synthesis of octahedral, decahedral, and icosahedral Pd nanocrystals. <b>2007</b> , 46, 9279-82	200
1228	Synthese monodisperser sphärischer Nanokristalle. <b>2007</b> , 119, 4714-4745	134
1227	High-Yield Synthesis of Single-Crystalline Gold Nano-octahedra. <b>2007</b> , 119, 3328-3332	69
1226	One-Step Patterning of Aligned Nanowire Arrays by Programmed Dip Coating. <b>2007</b> , 119, 2466-2469	22
1225	Chemical Sharpening of Gold Nanorods: The Rod-to-Octahedron Transition. <b>2007</b> , 119, 9141-9145	27
1224	A Water-Based Synthesis of Octahedral, Decahedral, and Icosahedral Pd Nanocrystals. <b>2007</b> , 119, 9439-9442	72
1223	Shape-Selective Synthesis of Gold Nanoparticles with Controlled Sizes, Shapes, and Plasmon Resonances. <b>2007</b> , 17, 3295-3303	109
1222	Grafted 2D Assembly of Colloidal Metal Nanoparticles for Application as a Variable Capacitor. <b>2007</b> , 19, 1729-1733	7
1221	Shape-Controlled Synthesis of Metal Nanostructures: The Case of Palladium. <b>2007</b> , 19, 3385-3391	669
1220	Gold Nanocages for Biomedical Applications. <b>2007</b> , 19, 3177-3184	408
1219	Facile Synthesis and Photoluminescence of Europium Ion Doped LaF <sub>3</sub> Nanodisks. <b>2007</b> , 2007, 3863-3867	47
1218	Formation and immobilization of silver nanoparticles onto chromia surface by novel preparation route involving polyol process. <b>2007</b> , 201, 7663-7667	11
1217	Rapid synthesis of silver nanostructures by using microwave-polyol method with the assistance of Pt seeds and polyvinylpyrrolidone. <b>2007</b> , 293, 185-194	80



1216	Continuous synthesis of gold nanoparticles and nanoplates with controlled size and shape under UV irradiation. <b>2007</b> , 296, 37-44	33
1215	Shape and size controlled synthesis of gold nanocrystals using oxidative etching by AuCl <sub>4</sub> <sup>-</sup> and Cl <sup>-</sup> anions in microwave-polyol process. <b>2007</b> , 302, 587-598	53
1214	Mass synthesis of single-crystal gold nanosheets based on chitosan. <b>2007</b> , 342, 2494-9	35
1213	Polysilazane-derived antibacterial silver/ceramic nanocomposites. <b>2007</b> , 27, 3287-3292	37
1212	A facile solution-phase synthesis of high quality water-soluble anatase TiO <sub>2</sub> nanocrystals. <b>2007</b> , 314, 337-40	37
1211	Synthesis and Characterization of Organic-Soluble Ag/AgBr Dimer Nanocrystals. <b>2007</b> , 633, 2414-2419	11
1210	Surfactantless synthesis of silver nanoplates and their application in SERS. <b>2007</b> , 3, 1964-75	141
1209	Shaping binary metal nanocrystals through epitaxial seeded growth. <b>2007</b> , 6, 692-7	1073
1208	Uniform silver/polypyrrole core-shell nanoparticles synthesized by hydrothermal reaction. <b>2007</b> , 102, 255-259	56
1207	Controlled synthesis of different morphological YF <sub>3</sub> crystalline particles at room temperature. <i>Materials Letters</i> , <b>2007</b> , 61, 1960-1963	3-3 30
1206	Probing Structure/Parameter Correlations in the Molten Salt Synthesis of BaZrO <sub>3</sub> Perovskite Submicrometer-Sized Particles. <b>2007</b> , 19, 5238-5249	66
1205	Localized surface plasmon resonance spectroscopy and sensing. <b>2007</b> , 58, 267-97	4420
1204	A rapid, straight-forward method for controlling the morphology of stable silver nanoparticles. <b>2007</b> , 17, 2459	149
1203	Controlled synthesis of uniform silver nanowires with high aspect ratios in aqueous solutions of gemini surfactant. <b>2007</b> , 1, 221-227	3
1202	Shape-controlled synthesis of highly monodisperse and small size gold nanoparticles. <b>2007</b> , 50, 494-500	8
1201	SERS: a versatile tool in chemical and biochemical diagnostics. <b>2008</b> , 390, 113-24	400
1200	Plasmonic Optical Properties and Applications of Metal Nanostructures. <b>2008</b> , 3, 127-150	317
1199	Growth of anisotropic platinum nanostructures catalyzed by gold seed nanoparticles. <b>2008</b> , 1, 249-257	18

1198	Synthesis and Optical Properties of Cubic Gold Nanoframes. <b>2008</b> , 1, 441-449	128
1197	Influence of synthesis conditions on particle morphology of nanosized Cu/ZnO powder by polyol method. <b>2008</b> , 31, 619-624	16
1196	Synthesis of polyhedral ZnSnO <sub>3</sub> microcrystals with controlled exposed facets and their selective gas-sensing properties. <b>2008</b> , 4, 1337-43	123
1195	Direct observation of the transition point between quasi-spherical and cubic nanoparticles in a two-step seed-mediated growth method. <b>2008</b> , 4, 2059-66	62
1194	Inorganic nanoparticles as carriers of nucleic acids into cells. <b>2008</b> , 47, 1382-95	473
1193	Directed surface overgrowth and morphology control of polyhedral gold nanocrystals. <b>2008</b> , 47, 763-7	93
1192	Nanocrystal synthesis in an amphibious bath: spontaneous generation of hydrophilic and hydrophobic surface coatings. <b>2008</b> , 47, 9916-21	31
1191	Hydrothermal Syntheses of Gold Nanocrystals: From Icosahedral to Its Truncated Form. <b>2008</b> , 18, 277-284	98
1190	Bimetallic Nanocobs: Decorating Silver Nanowires with Gold Nanoparticles. <b>2008</b> , 20, 1544-1549	121
1189	Modeling the Optical Response of Highly Faceted Metal Nanoparticles with a Fully 3D Boundary Element Method. <b>2008</b> , 20, 4288-4293	103
1188	Anorganische Nanopartikel zum Transport von Nucleinsäuren in Zellen. <b>2008</b> , 120, 1402-1416	40
1187	Directed Surface Overgrowth and Morphology Control of Polyhedral Gold Nanocrystals. <b>2008</b> , 120, 775-779	22
1186	Synthesis of faceted and cubic Ag <sub>2</sub> S nanocrystals in aqueous solutions. <b>2008</b> , 317, 485-92	49
1185	Nanocrystal conversion chemistry: A unified and materials-general strategy for the template-based synthesis of nanocrystalline solids. <b>2008</b> , 181, 1509-1523	93
1184	A general strategy for synthesis of silver dendrites by galvanic displacement under hydrothermal conditions. <b>2008</b> , 69, 1296-1300	46
1183	Photo-induced morphological conversions of silver nanoparticles prepared using laser ablation in waterEnhanced morphological conversions using halogen etching. <b>2008</b> , 194, 247-253	27
1182	A statistical design and analysis illustrating the interactions between key experimental factors for the synthesis of silver nanoparticles. <b>2008</b> , 322, 155-163	14
1181	Synthesis of gold nanoplates in lamellar liquid crystal. <b>2008</b> , 326, 23-28	17

1180	Facile synthesis of Ag and Au nanoparticles utilizing chitosan as a mediator agent. <b>2008</b> , 62, 136-42	238
1179	Oxygen-assisted shape control in polyol synthesis of silver nanocrystals. <b>2008</b> , 462, 92-95	30
1178	Effects of cooling treatment and glutaraldehyde on the morphology of Au nanostructures synthesized from chitosan. <b>2008</b> , 343, 512-20	9
1177	Self-organized formation of silver nanowires, nanocubes and bipyramids via a solvothermal method. <b>2008</b> , 56, 2508-2513	59
1176	Roles of Pt seeds and chloride anions in the preparation of silver nanorods and nanowires by microwave-polyol method. <b>2008</b> , 316, 266-277	80
1175	Role of chloride ions in the formation of Au@Ag core-shell nanocrystal structures by using a microwave-polyol method. <b>2008</b> , 317, 247-255	39
1174	Shape control in gold nanoparticle synthesis. <b>2008</b> , 37, 1783-91	1571
1173	Electrochemical synthesis of silver polyhedrons and dendritic films with superhydrophobic surfaces. <b>2008</b> , 24, 12010-6	177
1172	Ultrasensitive optical biodiagnostic methods using metallic nanoparticles. <b>2008</b> , 3, 215-32	51
1171	Large-scale polyol synthesis of single-crystal bismuth nanowires and the role of NaOH in the synthesis process. <b>2008</b> , 19, 265303	25
1170	Microwave-Assisted Shape-Controlled Bulk Synthesis of Ag and Fe Nanorods in Poly(ethylene glycol) Solutions. <b>2008</b> , 8, 291-295	97
1169	One-pot synthesis of Ag-Fe <sub>3</sub> O <sub>4</sub> nanocomposite: a magnetically recyclable and efficient catalyst for epoxidation of styrene. <b>2008</b> , 3414-6	168
1168	Growth of Dendritic Silver Crystals in CTAB/SDBS Mixed-Surfactant Solutions. <b>2008</b> , 8, 2150-2156	91
1167	Tuning Metal Nanostructures in Mesoporous Silica by a Simple Change of Metal Complexes and by Reduction with Grafted Imines and Hemiaminals. <b>2008</b> , 112, 9996-10003	48
1166	Morphology Control of Nanoscale PbS Particles in a Polyol Process. <b>2008</b> , 20, 3153-3162	74
1165	Mechanistic study of the synthesis of Au nanotadpoles, nanokites, and microplates by reducing aqueous HAuCl <sub>4</sub> with poly(vinyl pyrrolidone). <b>2008</b> , 24, 10437-42	125
1164	Shape Adjustment between Multiply Twinned and Single-Crystalline Polyhedral Gold Nanocrystals: Decahedra, Icosahedra, and Truncated Tetrahedra. <b>2008</b> , 112, 2469-2475	203
1163	Silver nanocubes formed on ATP-mediated nafion film and a visual method for formaldehyde. <b>2008</b> , 112, 16990-4	29

1162	Insights into the early stages of metal nanoparticle formation via first-principle calculations: the roles of citrate and water. <b>2008</b> , 24, 7465-73	45
1161	Shape dependence of nonlinear optical behaviors of nanostructured silver and their silica gel glass composites. <b>2008</b> , 93, 143108	52
1160	Novel Optical Properties and Emerging Applications of Metal Nanostructures <b>2008</b> , 112, 10323-10337	259
1159	Shape-Dependent Evolution of [email protected] Core/Shell Nanocrystals by PVP-Assisted N,N-Dimethylformamide Reduction. <b>2008</b> , 8, 2528-2536	116
1158	Self-Assembly Ability of Building Units in Mesocrystal, Structural, and Morphological Transitions in Ag Nanostructures Growth. <b>2008</b> , 8, 3616-3622	56
1157	Wires, plates, flowers, needles, and core-shells: diverse nanostructures of gold using polyaniline templates. <b>2008</b> , 24, 4607-14	67
1156	Aspartic Acid Synthesis of Crystalline Gold Nanoplates, Nanoribbons, and Nanowires in Aqueous Solutions. <b>2008</b> , 112, 5463-5470	62
1155	Nanostructured plasmonic sensors. <b>2008</b> , 108, 494-521	1995
1154	Metal Nanoclusters in Catalysis: Effects of Nanoparticle Size, Shape, and Structure. <b>2008</b> , 167-181	6
1153	A facile, water-based synthesis of highly branched nanostructures of silver. <b>2008</b> , 24, 12042-6	111
1152	Facile Synthesis and Hierarchical Assembly of Hollow Nickel Oxide Architectures Bearing Enhanced Photocatalytic Properties. <b>2008</b> , 112, 15299-15305	213
1151	Shape control in silver metal nanoparticle construction using dumb-bell dendrimers. <b>2008</b> , 18, 4031	17
1150	Reagent control over the size, uniformity, and composition of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <b>2008</b> , 18, 4146	29
1149	Preparation and Optical Properties of New Metal/Macromolecule Architectures. <b>2008</b> , 270, 177-186	9
1148	Controlled synthesis and characterization of the enhanced local field of octahedral Au nanocrystals. <b>2008</b> , 6120-2	36
1147	Asymmetric Transformation of Monolayer-Protected Gold Nanoclusters via Chiral Phase Transfer. <b>2008</b> , 112, 16281-16285	45
1146	One-Pot Synthesis of Silver Nanoplates and Charge-Transfer Complex Nanofibers. <b>2008</b> , 112, 13065-13069	29
1145	Interfacial and solvent effects govern the formation of tris(dibenzylideneacetone)dipalladium(0) microstructures. <b>2008</b> , 24, 7803-9	13

1144	Seed-Mediated Growth of Nearly Monodisperse Palladium Nanocubes with Controllable Sizes. <b>2008</b> , 8, 4440-4444	214
1143	Confinement of Silver Triangles in Silver Nanoplates Templated by Duplex DNA. <b>2008</b> , 8, 1451-1453	9
1142	High-Concentration Preparation of Silver Nanowires: Restraining in Situ Nitric Acidic Etching by Steel-Assisted Polyol Method. <b>2008</b> , 20, 1699-1704	71
1141	Facile synthesis of bimetallic nanoplates consisting of Pd cores and Pt shells through seeded epitaxial growth. <b>2008</b> , 8, 2535-40	209
1140	Shape-Controlled Synthesis of Single-Crystalline CdCO <sub>3</sub> and Corresponding Porous CdO Nanostructures. <b>2008</b> , 8, 2116-2120	45
1139	Surfactant-Assisted Etching in Biomimetic Mineralization of Ferric Phosphate. <b>2008</b> , 20, 3959-3964	17
1138	Investigating Tip-Nanoparticle Interactions in Spatially Correlated Total Internal Reflection Plasmon Spectroscopy and Atomic Force Microscopy. <b>2008</b> , 112, 11696-11701	17
1137	Formation of gold branched plates in diluted solutions of poly(vinylpyrrolidone) and their use for the fabrication of near-infrared-absorbing films and coatings. <b>2008</b> , 24, 983-90	32
1136	Hyaluronan-Assisted Photoreduction Synthesis of Silver Nanostructures: From Nanoparticle to Nanoplate. <b>2008</b> , 112, 10730-10734	43
1135	Direct Solution Synthesis, Reaction Pathway Studies, and Structural Characterization of Crystalline Ni <sub>3</sub> B Nanoparticles. <b>2008</b> , 112, 19846-19851	36
1134	Synergy between crystal strain and surface energy in morphological evolution of five-fold-twinned silver crystals. <b>2008</b> , 130, 15581-8	80
1133	Kinetic- or Thermodynamic-Growth Formation of Pd Nanocrystals: a combined TEM-DLS Approach. <b>2008</b> , 1087, 60601	1
1132	Synthesis of hollow silver nanostructures by a simple strategy. <b>2008</b> , 19, 045607	15
1131	Monodisperse nanocrystals of LnVO <sub>4</sub> (Ln = Ce, Nd): Controlled synthesis and upconverted avalanche luminescence. <b>2008</b> ,	
1130	Metastability of multitwinned Ag nanorods: Molecular dynamics study. <b>2008</b> , 78,	17
1129	The Role of Adsorption Species in the Formation of Ag Nanostructures by a Microwave-Polyol Route. <b>2008</b> , 81, 393-400	19
1128	Liquid-Phase Synthesis of Inorganic Nanoparticles. <b>2009</b> ,	2
1127	Growth mechanisms of metal nanoparticles via first principles. <b>2009</b> , 102, 155505	23

1126	Shape-controlled synthesis of palladium nanocrystals by microwave irradiation. <b>2009</b> , 81, 2377-2385	44
1125	Hybrid Gold Architectures for Sensing and Catalytic Applications. <b>2009</b> , 1176, 26	
1124	One-step preparation of superlattices and nanocrystals using laser ablation. <b>2009</b> , 106, 054313	3
1123	Interaction of hybrid nanowire-nanoparticle structures with carbon monoxide. <b>2009</b> , 20, 135504	21
1122	Effects of PVP on the formation of silver-polystyrene heterogeneous nanocomposite particles in novel preparation route involving polyol process: Molecular weight and concentration of PVP. <b>2009</b> , 114, 549-555	26
1121	Process window for the synthesis of Ag wires through polyol process. <b>2009</b> , 116, 1-5	11
1120	Ionic-liquid-assisted synthesis of YF <sub>3</sub> with different crystalline phases and morphologies. <b>2009</b> , 44, 623-628	30
1119	Dendrigraft polymer-based synthesis of silver nanoparticles showing bright blue fluorescence. <b>2009</b> , 44, 714-717	32
1118	Hydrothermal synthesis of monodisperse CeO <sub>2</sub> nanocubes. <i>Materials Letters</i> , <b>2009</b> , 63, 1774-1777	3-3 41
1117	Shape-Controlled Synthesis of Pd Nanocrystals in Aqueous Solutions. <b>2009</b> , 19, 189-200	529
1116	N,N-Dimethylformamide as a Reaction Medium for Metal Nanoparticle Synthesis. <b>2009</b> , 19, 679-688	314
1115	Formkontrolle bei der Synthese von Metallnanokristallen: einfache Chemie, komplexe Physik?. <b>2009</b> , 121, 62-108	389
1114	Hexa- and dodecanuclear polyoxomolybdate cyclic compounds: application toward the facile synthesis of nanoparticles and film electrodeposition. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 733-41	4.8 62
1113	Thermal- and Sun-Promoted Generation of Silver Nanoparticles Embedded into Poly(vinyl alcohol) Films. <b>2009</b> , 294, 256-264	24
1112	Synthesis of PVP-coated silver nanoparticles and their biological activity towards human mesenchymal stem cells. <b>2009</b> , 40, 258-264	58
1111	Shape-controlled synthesis of metal nanocrystals: simple chemistry meets complex physics?. <b>2009</b> , 48, 60-103	4431
1110	The nobel solution process using the extreme energy state for anisotropic structured nanomaterials. <b>2009</b> , 9, S189-S192	1
1109	Facile synthesis of single-crystal silver nanowires through a tannin-reduction process. <b>2009</b> , 11, 1839-1844	20

1108	Architectural growth of cu nanoparticles through electrodeposition. <b>2009</b> , 4, 1481-5	22
1107	Mesoflowers: A new class of highly efficient surface-enhanced Raman active and infrared-absorbing materials. <b>2009</b> , 2, 306-320	80
1106	Preparation and characterization of water-dispersible silver nanoparticles stabilized by PEO-conjugated pro-drugs. <b>2009</b> , 17, 770-775	7
1105	On-plate-selective enrichment of glycopeptides using boronic acid-modified gold nanoparticles for direct MALDI-QIT-TOF MS analysis. <b>2009</b> , 9, 5046-55	106
1104	Silver metal nanoparticles: Facile dendrimer-assisted size-controlled synthesis and selective catalytic reduction of chloronitrobenzenes. <b>2009</b> , 47, 4482-4493	23
1103	Silver nanoparticles: green synthesis and their antimicrobial activities. <b>2009</b> , 145, 83-96	2615
1102	Galvanic replacement mediated synthesis of hollow Pt nanocatalysts: Significance of residual Ag for the H <sub>2</sub> evolution reaction. <b>2009</b> , 11, 1639-1642	77
1101	Nanoplates controlled synthesis and catalytic activities of silver nanocrystals. <b>2009</b> , 46, 858-863	30
1100	Synthesis and UV-vis spectroscopic study of silver nanoparticles in aqueous SDS solution. <b>2009</b> , 145, 33-37	170
1099	Morphology syntheses and properties of well-defined Prussian Blue nanocrystals by a facile solution approach. <b>2009</b> , 329, 188-95	64
1098	Electrochemical preparation and structural characterization of platinum thin film on a polypyrrole film modified ITO electrode. <b>2009</b> , 333, 249-53	15
1097	Controlled synthesis, optical and electronic properties of Eu <sup>3+</sup> doped yttrium oxysulfide (Y <sub>2</sub> O <sub>2</sub> S) nanostructures. <b>2009</b> , 336, 889-97	28
1096	Hydrothermal synthesis of cubic MnSe <sub>2</sub> and octahedral MnSe microcrystals. <b>2009</b> , 311, 1359-1363	23
1095	Shape-controlled synthesis of Ni particles via polyol reduction. <b>2009</b> , 311, 2474-2479	34
1094	Preparation of spherical and uniform-sized ferrite nanoparticles with diameters between 50 and 150nm for biomedical applications. <b>2009</b> , 321, 1417-1420	27
1093	Rapid and high-yield synthesis of silver nanowires using air-assisted polyol method with chloride ions. <b>2009</b> , 338, 33-39	77
1092	Exposed crystal surface-controlled rutile TiO <sub>2</sub> nanorods prepared by hydrothermal treatment in the presence of poly(vinyl pyrrolidone). <b>2009</b> , 91, 634-639	70
1091	Size-controlled synthesis of monodisperse gold nanooctahedrons and their surface-enhanced Raman scattering properties. <b>2009</b> , 468, 245-248	41

1090	PMA capped silver nanoparticles produced by UV-enhanced chemical process. <b>2009</b> , 255, 8403-8408	18
1089	Shape-controlled synthesis for silver: Triangular/hexagonal nanoplates, chain-like nanoplate assemblies, and nanobelts. <b>2009</b> , 24, 2200-2209	26
1088	Nanofabrication of plasmonic structures. <b>2009</b> , 60, 147-65	236
1087	The first solid-phase route to fabricate and size-tune gold nanoparticles at room temperature. <b>2009</b> , 19, 8810	32
1086	Polyol synthesis of silver nanoparticles: mechanism of reduction by alditol bearing polysaccharides. <b>2009</b> , 10, 210-3	50
1085	Synthesis of nanosilver particles by reverse micelle method and study of their bactericidal properties. <b>2009</b> , 187, 012054	10
1084	Growth Kinetic of a Rod-Shaped Metal Nanocrystal. <b>2009</b> , 113, 10390-10394	45
1083	Fabrication of Octahedral-Shaped Polyol-Based Zinc Alkoxide Particles and Their Conversion to Octahedral Polycrystalline ZnO or Single-Crystal ZnO Nanoparticles. <b>2009</b> , 9, 2329-2334	27
1082	Shape Evolution of Octahedral and Triangular Platelike Silver Nanocrystals from Cubic and Right Bipyramidal Seeds in DMF. <b>2009</b> , 9, 4700-4705	44
1081	Nanocomposites for food packaging applications. <b>2009</b> , 42, 1240-1253	875
1080	A Controlled Method to Synthesize Hybrid In <sub>2</sub> O <sub>3</sub> /Ag Nanochains and Nanoparticles: Surface-Enhanced Raman Scattering. <b>2009</b> , 113, 9998-10004	31
1079	A direct method for the preparation of glycolipid-metal nanoparticle conjugates: sophorolipids as reducing and capping agents for the synthesis of water re-dispersible silver nanoparticles and their antibacterial activity. <b>2009</b> , 33, 646-652	97
1078	Growth and Photocatalytic Activity of Dendrite-like [email protected] Heterostructure Nanocrystals. <b>2009</b> , 9, 3278-3285	194
1077	Influence of Speciation of Aqueous H <sub>Au</sub> Cl <sub>4</sub> on the Synthesis, Structure, and Property of Au Colloids. <b>2009</b> , 113, 6505-6510	147
1076	Bending and Shell Formation of Tellurium Nanowires Induced by Thiols. <b>2009</b> , 21, 4527-4540	16
1075	Facet-selective epitaxial growth of heterogeneous nanostructures of semiconductor and metal: ZnO nanorods on Ag nanocrystals. <b>2009</b> , 131, 12036-7	164
1074	Template-free synthesis of porous platinum networks of different morphologies. <b>2009</b> , 25, 6454-9	22
1073	Electrochemical deposition of gold frame structure on silver nanocubes. <b>2009</b> , 2917-9	30



1072	Shape variations and anisotropic growth of multiply twinned nanoparticles. <b>2009</b> , 224,	52
1071	The shape evolution of gold seeds and gold@silver core-shell nanostructures. <b>2009</b> , 20, 305602	60
1070	Controls of Tricalcium Phosphate Single-Crystal Formation from Its Amorphous Precursor by Interfacial Energy. <b>2009</b> , 9, 3154-3160	34
1069	Chemical synthesis of novel plasmonic nanoparticles. <b>2009</b> , 60, 167-92	525
1068	Silver Nanoparticle Oxide Coating via a Surface-Initiated Reduction Process. <b>2009</b> , 113, 1758-1763	9
1067	Synthesis of Different Morphologies of Mostly Mono-disperse Gold Nanoparticles in a Polyol Process. <b>2009</b> , 30, 514-519	3
1066	Shape auxiliary approach for carboxylate-functionalized gold nanocrystals. <b>2009</b> , 1276-8	4
1065	Controlled growth of novel hyper-branched nanostructures in nanoporous alumina membrane. <b>2009</b> , 6937-9	17
1064	Fabrication of single crystalline gold nanobelts. <b>2009</b> , 19, 924-927	32
1063	Magnetically recyclable Ag-ferrite catalysts: general synthesis and support effects in the epoxidation of styrene. <b>2009</b> , 10527-33	37
1062	Nanospheres of silver nanoparticles: agglomeration, surface morphology control and application as SERS substrates. <b>2009</b> , 11, 7450-4	90
1061	Synthesis of anatase TiO <sub>2</sub> nanocrystals with exposed {001} facets. <b>2009</b> , 9, 2455-9	368
1060	A Versatile Route to the Controlled Synthesis of Gold Nanostructures. <b>2009</b> , 9, 2079-2087	60
1059	Nano-silver: a review of available data and knowledge gaps in human and environmental risk assessment. <b>2009</b> , 3, 109-138	943
1058	Biological synthesis of silver nanoparticles. <b>2009</b> , 146, 012025	26
1057	Modified Gold Nanoparticles and Surfaces. <b>2010</b> , 113-154	0
1056	Approaches to Synthesis and Characterization of Spherical and Anisotropic Gold Nanomaterials. <b>2010</b> ,	
1055	Formation mechanisms of anisotropic silver nanostructures in polyol synthesis. <b>2010</b> , 5, 421-426	3

1054	Modelling of nanoparticles: approaches to morphology and evolution. <b>2010</b> , 73, 086502	147
1053	Surface Plasmon Response for Anisotropic Silver Particles with Dimensions Below the Electrostatic Limit. <b>2010</b> , 114, 6989-6993	11
1052	Synthesis of Ag-liposome nano composites. <b>2010</b> , 20, 323-9	29
1051	Controlled Synthesis of Uniform Silver Nanospheres <b>2010</b> , 114, 7427-7431	106
1050	Magnetically recyclable, antimicrobial, and catalytically enhanced polymer-assisted "green" nanosystem-immobilized <i>Aspergillus niger</i> amyloglucosidase. <b>2010</b> , 87, 1983-92	31
1049	Surface-enhanced Raman scattering from silver nanostructures with different morphologies. <b>2010</b> , 100, 83-88	13
1048	Development of semi-interpenetrating carbohydrate polymeric hydrogels embedded silver nanoparticles and its facile studies on <i>E. coli</i> . <b>2010</b> , 81, 196-202	46
1047	Ag/Al(OH) <sub>3</sub> mesoporous nanocomposite film as antibacterial agent. <b>2010</b> , 81, 369-73	10
1046	Fabrication of gold nanoparticles with different morphologies in HEPES buffer. <b>2010</b> , 29, 180-186	66
1045	Preparation of microsized silver crystals with different morphologies by a wet-chemical method. <b>2010</b> , 29, 407-412	27
1044	From silver nanoparticles to nanostructures through matrix chemistry. <b>2010</b> , 12, 337-345	30
1043	Investigation of the role of NaBH <sub>4</sub> in the chemical synthesis of gold nanorods. <b>2010</b> , 12, 1777-1786	48
1042	Potassium iodide-assisted polyol route synthesis of monodisperse silver nanospheres. <b>2010</b> , 5, 175	3
1041	Hydroxy propyl cellulose capped silver nanoparticles produced by simple dialysis process. <b>2010</b> , 45, 989-992	14
1040	Manufacturing aspects of oxide nanowires. <i>Materials Letters</i> , <b>2010</b> , 64, 729-732	3-3 14
1039	Weakly bound capping agents on gold nanoparticles in catalysis: Surface poison?. <b>2010</b> , 271, 104-114	103
1038	Platinum-decorated Au porous nanotubes as highly efficient catalysts for formic acid electro-oxidation. <b>2010</b> , 11, 841-6	28
1037	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. <b>2010</b> , 20, 3684-3694	189

1036	Preparation of inorganic materials using ionic liquids. <b>2010</b> , 22, 261-85		669
1035	Synthesis and characterization of noble-metal nanostructures containing gold nanorods in the center. <b>2010</b> , 22, 744-8		149
1034	Coaxial metal nano-/microcables with isolating sheath: synthetic methodology and their application as interconnects. <b>2010</b> , 22, 1977-81		21
1033	Seed-mediated synthesis of Au nanocages and their electrocatalytic activity towards glucose oxidation. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9248-56	4.8	38
1032	Facile electrochemical preparation of Ag nanothorns and their growth mechanism. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6766-70	4.8	18
1031	Rapid epitaxial growth of Ag on Au nanoparticles: from Au nanorods to core-shell Au@Ag octahedrons. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 5558-63	4.8	79
1030	Facile synthesis of Ag nanocubes of 30 to 70 nm in edge length with CF(3)COOAg as a precursor. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10234-9	4.8	252
1029	Tip-enhanced Raman spectroscopy using single-crystalline Ag nanowire as tip. <b>2010</b> , 41, 1156-1162		40
1028	Deposition and wettability of silver nanostructures on Si(100) substrate based on galvanic displacement reactions. <b>2010</b> , 257, 1779-1785		12
1027	Oriented growth behavior of Ag nanoparticles using SDS as a shape director. <b>2010</b> , 348, 289-92		7
1026	Morphological features of electrodeposited Pt nanoparticles and its application as anode catalysts in polymer electrolyte formic acid fuel cells. <b>2010</b> , 195, 5929-5933		29
1025	Synthesis of indium tin oxide nanorods by a facile process with ethylene glycol as solvent. <b>2010</b> , 175, 70-74		7
1024	Nanoparticle-based environmental sensors. <b>2010</b> , 70, 265-274		106
1023	Quantum chemical studies on chameleonic ligand and its grid-type copper(I) and zinc(II) complexes. <b>2010</b> , 949, 82-87		2
1022	Manipulation of silver nanostructures using supercritical fluids in the presence of polyvinylpyrrolidone and ethylene glycol. <b>2010</b> , 54, 272-280		11
1021	Synthesis of PMA stabilized silver nanoparticles by chemical reduction process under a two-step UV irradiation. <b>2010</b> , 256, 3812-3816		34
1020	Synthesis of highly stable silver colloids stabilized with water soluble sulfonated polyaniline. <b>2010</b> , 256, 7037-7042		20
1019	Synthesis and applications of silver nanoparticles. <b>2010</b> , 3, 135-140		767

1018	Nature factory of silver nanowires: Plant-mediated synthesis using broth of Cassia fistula leaf. <b>2010</b> , 162, 852-858	112
1017	Monodisperse nanospheres of yttrium oxysulfide: Synthesis, characterization, and luminescent properties. <b>2010</b> , 36, 2169-2174	13
1016	Enhanced silver nanoparticle synthesis by optimization of nitrate reductase activity. <b>2010</b> , 75, 335-41	126
1015	Flexible nanowiring of metal on nonplanar substrates by femtosecond-laser-induced electroless plating. <b>2010</b> , 6, 1762-6	98
1014	Nanosized CdSe Particles Synthesized by an Air Pressure Solution Process Using Ethylene-Glycol-Based Solvent. <b>2010</b> , 93, no-no	1
1013	Influences of Amorphous Phase on the Growth of Nanocrystalline Ag during Replacement Reactions. <b>2010</b> , 39, 958-962	1
1012	Laser-Driven Silver Nanowire Formation: Effect of Femtosecond Laser Pulse Polarization. <b>2010</b> , 27, 088101	6
1011	Effects of Microwave Irradiation Type on the Morphological and Dimensional Properties of Silver Nanoparticles. <b>2010</b> , 11, 39-43	2
1010	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Noble Metal Nanomaterials. <b>2010</b> ,	
1009	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Silver Nanomaterials. <b>2010</b> ,	
1008	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Platinum Nanomaterials. <b>2010</b> ,	
1007	Finding a Facile Method to Synthesize Decahedral Silver Nanoparticles through a Systematic Study of Temperature Effect on Photomediated Silver Nanostructure Growth. <b>2010</b> , 57, 325-331	16
1006	Effect of Surfactant Addition on the Structure of Silver Aggregates Produced by Galvanic Cell Reaction and Fabrication of Superhydrophobic Surfaces. <b>2010</b> , 31, 703-708	3
1005	Tailoring of silver wires and their performance as transparent conductive coatings. <b>2010</b> , 21, 215707	48
1004	Template-Free Synthesis of Well-Defined Truncated Edge Polyhedral Cu <sub>2</sub> O Architectures. <b>2010</b> , 10, 541-547	72
1003	Syntheses and Characterizations. <b>2010</b> , 49-310	3
1002	Bimetallic mesoflowers: region-specific overgrowth and substrate dependent surface-enhanced Raman scattering at single particle level. <b>2010</b> , 26, 8901-7	21
1001	Multipole-plasmon-enhanced faster energy transfer between semiconductor quantum dots via dual-resonance nanoantenna effects. <b>2010</b> , 96, 043106	32

1000	Shape Effects of Cu <sub>2</sub> O Polyhedral Microcrystals on Photocatalytic Activity. <b>2010</b> , 114, 5073-5079	330
999	A Facile Method To Obtain Highly Stable Silver Nanoplate Colloids with Desired Surface Plasmon Resonance Wavelengths. <b>2010</b> , 114, 6222-6227	67
998	Spectroscopic Study of the Thermal Degradation of PVP-Capped Rh and Pt Nanoparticles in H <sub>2</sub> and O <sub>2</sub> Environments. <b>2010</b> , 114, 1117-1126	88
997	Fabrication and Wettability of Nanoporous Silver Film on Copper from Choline Chloride-Based Deep Eutectic Solvents. <b>2010</b> , 114, 13614-13619	60
996	Surface-Stress-Driven Lattice Contraction Effects on the Extinction Spectra of Ultrasmall Silver Nanowires. <b>2010</b> , 114, 8741-8748	15
995	Au <sub>2</sub> Cu Alloy Nanoparticles with Tunable Compositions and Plasmonic Properties: Experimental Determination of Composition and Correlation with Theory. <b>2010</b> , 114, 19263-19269	145
994	Au@Ag core-shell nanocubes with finely tuned and well-controlled sizes, shell thicknesses, and optical properties. <b>2010</b> , 4, 6725-34	450
993	Synthesis of Anisotropic Gold Nanoparticles by Electro spraying into a Reductive-Surfactant Solution. <b>2010</b> , 22, 1656-1663	18
992	Photomediated synthesis of silver triangular bipyramids and prisms: the effect of pH and BSPP. <b>2010</b> , 132, 12502-10	157
991	Induced Optical Activity in Boronic-Acid-Protected Silver Nanoclusters by Complexation with Chiral Fructose. <b>2010</b> , 114, 15909-15915	34
990	Functional nanocomposites based on the infusion or in situ generation of nanoparticles into amphiphilic epoxy gels. <b>2010</b> , 20, 10135	13
989	Surfactant-Free Synthesis of CaSO <sub>4</sub> Nanorod/Nanowire by Electrochemical Deposition. <b>2010</b> , 157, K43	9
988	Nanoparticulate copper--routes towards oxidative stability. <b>2010</b> , 39, 6496-502	45
987	In situ Encapsulation of Pt Nanoarchitectures of Varying Morphologies in Mesoporous Compounds. <b>2010</b> , 22, 1633-1639	12
986	DNA hybridization for nanocube functionalization. <b>2010</b> ,	
985	Biomimetic branched hollow fibers templated by self-assembled fibrous polyvinylpyrrolidone structures in aqueous solution. <b>2010</b> , 4, 1573-9	70
984	Vertex and edge truncated octahedron gold crystals. N-alkylimidazole and silver(I) ion controlled morphology transformation. <b>2010</b> , 49, 4149-55	11
983	Shape Evolution of Flag Types of Silver Nanostructures from Nanorod Seeds in PVP-Assisted DMF Solution. <b>2010</b> , 10, 5238-5243	29

982	Stereospecific Polymerization of Chiral Oxazolidinone-Functionalized Alkenes. <b>2010</b> , 43, 7504-7514	20
981	Convenient, rapid synthesis of silver nanocubes and nanowires via a microwave-assisted polyol method. <b>2010</b> , 21, 025607	44
980	Size distribution and particle shape in silver colloids prepared by laser ablation in water. <b>2010</b> , 165, 579-583	7
979	Plasmon-enhanced Förster energy transfer between semiconductor quantum dots: multiple effects. <b>2010</b> , 18, 6516-21	35
978	Scalable Routes to Janus Au <sub>2</sub> SiO <sub>2</sub> and Ternary Ag <sub>2</sub> Au <sub>2</sub> SiO <sub>2</sub> Nanoparticles. <b>2010</b> , 22, 3826-3828	145
977	Stepwise Growth of Decahedral and Icosahedral Silver Nanocrystals in DMF. <b>2010</b> , 10, 296-301	85
976	Size-Controlled and Size-Designed Synthesis of Nano/Submicrometer Ag Particles. <b>2010</b> , 10, 3378-3386	69
975	Plasmonic nanobubbles as transient vapor nanobubbles generated around plasmonic nanoparticles. <b>2010</b> , 4, 2109-23	275
974	Soft-Chemical Approach of Noble Metal Nanowires Templated from Mesoporous Silica (SBA-15) through Vapor Infiltration of a Reducing Agent. <b>2010</b> , 114, 7586-7593	64
973	Composition-dependent formation of platinum silver nanowires. <b>2010</b> , 4, 1501-10	126
972	Surface-controlled shape design of discotic micro-particles. <b>2010</b> , 6, 4885	6
971	Preparation of nanoscale PbSe particles with different morphologies in diethylene glycol. <b>2010</b> , 2, 697-9	9
970	Tunable growth of nanodendritic silver by galvanic-cell mechanism on formed activated carbon. <b>2010</b> , 46, 3782-4	25
969	Dynamic isomers engaged fabrication of copper sulfide rattle-type structures and their optoelectronic properties. <b>2011</b> , 13, 5653	17
968	Nickel flower-like nanostructures composed of nanoplates: one-pot synthesis, stepwise growth mechanism and enhanced ferromagnetic properties. <b>2011</b> , 13, 2636	66
967	Spontaneous generation and shape conversion of silver nanoparticles in alumina sol, and shaped silver nanoparticle incorporated alumina films. <b>2011</b> , 21, 6072	27
966	Facile synthesis and properties of spherical assemblies of NaYF <sub>4</sub> nanocrystals with consistent crystalline orientation. <b>2011</b> , 13, 7009	5
965	Visual detection of cobalt(II) ion in vitro and tissue with a new type of leaf-like molecular microcrystal. <b>2011</b> , 47, 2562-4	37

- 964 Shape Evolution and Gram-Scale Synthesis of Gold@Silver CoreShell Nanopolyhedrons. **2011**, 115, 9417-9423 47
- 963 Silver Nanoparticles by Amino-Terminated Hyperbranched Polymer : Characterization and Antimicrobial Property on Cotton. **2011**, 332-334, 930-934
- 962 Understanding the Influence of Crystallographic Structure on Controlling the Shape of Noble Metal Nanostructures. **2011**, 11, 5457-5460 8
- 961 Formation process of silver nanoparticles in DTAB/SDBS/PVP aqueous solution. **2011**, 6, 263-269 2
- 960 Improved Monodispersity of Plasmonic Nanoantennas via Centrifugal Processing. **2011**, 2, 218-222 55
- 959 Synthesis of Silver Nanoplates without Agitation and Surfactant. **2011**, 40, 2069-2071 4
- 958 Shape-Controlled Synthesis of Silver and Palladium Nanoparticles Using  $\beta$ -Cyclodextrin. **2011**, 115, 11364-11373 56
- 957 Silver nanoparticle/clay composites. **2011**, 21, 734-742 42
- 956 Colored and functional silver nanoparticle-wool fiber composites. **2011**, 3, 1083-92 185
- 955 Morphology-dependent nanocatalysis: metal particles. **2011**, 40, 5811-26 166
- 954 Controlled Synthesis of Tellurium Nanostructures from Nanotubes to Nanorods and Nanowires and Their Template Applications. **2011**, 115, 6375-6380 73
- 953 Synthesis and modelling of gold nanostars with tunable morphology and extinction spectrum. **2011**, 21, 6531 76
- 952 Spectroscopic properties and upconversion in Pr<sup>3+</sup>:YF<sub>3</sub> nanoparticles. **2011**, 13, 17453-60 37
- 951 High uniformity and monodispersity of sodium rare-earth fluoride nanocrystals: controllable synthesis, shape evolution and optical properties. **2011**, 13, 1384-1390 66
- 950 Morphological changes in Ag nanocrystals triggered by citrate photoreduction and governed by oxidative etching. **2011**, 47, 1580-2 45
- 949 Ultrasmall silver nanopores fabricated by femtosecond laser pulses. **2011**, 11, 3251-7 13
- 948 Synthesis of carbon-supported Pt nanoparticle electrocatalysts using nanocrystalline cellulose as reducing agent. **2011**, 13, 1686 79
- 947 Plasmonic nanoantennas: fundamentals and their use in controlling the radiative properties of nanoemitters. **2011**, 111, 3888-912 1015

946	Diameter-dependent coloration of silver nanowires. <b>2011</b> , 22, 275712	1
945	Hydrothermal synthesis and structure evolution of hierarchical cobalt sulfide nanostructures. <b>2011</b> , 40, 243-8	124
944	Twin plane decoration of silver nanorods with palladium by galvanic exchange at a controlled rate. <b>2011</b> , 27, 13293-301	3
943	Etching-limited branching growth of cuprous oxide during ethanol-assisted solution synthesis. <b>2011</b> , 13, 2837	36
942	Role of Solvent in the Shape-Controlled Synthesis of Anisotropic Colloidal Nanostructures. <b>2011</b> , 115, 18983-18990	33
941	Shaping hybrid nanostructures with polymer matrices: the formation mechanism of silver polypyrrole core/shell nanostructures. <b>2011</b> , 21, 2078-2086	18
940	Modeling the primary size effects of citrate-coated silver nanoparticles on their ion release kinetics. <b>2011</b> , 45, 4422-8	370
939	Highly symmetric polyhedral Cu <sub>2</sub> O crystals with controllable-index planes. <b>2011</b> , 13, 2217	67
938	Protein-directed one-pot synthesis of Ag microspheres with good biocompatibility and enhancement of radiation effects on gastric cancer cells. <b>2011</b> , 3, 3623-6	70
937	The Role of Oxygen in Synthesizing Monodisperse Silver Nanocubes. <b>2011</b> , 64, 1488	3
936	Strain-release assembly of nanowires on stretchable substrates. <b>2011</b> , 5, 1556-63	80
935	Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. <b>2011</b> , 115, 3513-3527	145
934	Synthesis of salicylaldehyde Schiff base modified Cu nanocrystals by thermal treatment in liquid paraffin. <b>2011</b> , 258, 946-949	3
933	Colloidal metal nanoparticles as a component of designed catalyst. <b>2011</b> , 13, 2457-87	368
932	Size-selective silver nanoparticles: future of biomedical devices with enhanced bactericidal properties. <b>2011</b> , 21, 12267	83
931	Solvent-Dependent Surface Plasmon Response and Oxidation of Copper Nanocrystals. <b>2011</b> , 115, 1793-1799	116
930	Colloidal synthesis of new silver-based nanostructures with tailored localized surface plasmon resonance. <b>2011</b> , 73, 724-742	9
929	Toxicity Reduction of Polymer-Stabilized Silver Nanoparticles by Sunlight. <b>2011</b> , 115, 4425-4432	178



928	Synthetic Chemistry of Nanomaterials. <b>2011</b> , 479-506	4
927	Crystal facet engineering of semiconductor photocatalysts: motivations, advances and unique properties. <b>2011</b> , 47, 6763-83	753
926	Anisotropic nanomaterials: structure, growth, assembly, and functions. <b>2011</b> , 2,	312
925	Polyol Synthesis of Silver Nanowires: An Extensive Parametric Study. <b>2011</b> , 11, 4963-4969	292
924	Biomimetic assemblage of nucleobase 5-fluorouracil into nano-size three-dimensional particles. <b>2011</b> ,	0
923	Colloidal Hybrid Nanocrystals: Synthesis, Properties, and Perspectives. <b>2011</b> ,	
922	Multifunctional Gold Nanoparticles for Cancer Therapy. <b>2011</b> , 1-24	
921	Direct preparation of anion-free pure silver hydrosols. <b>2011</b> , 21, 312-314	7
920	Rapid synthesis of single-crystalline TbF <sub>3</sub> with novel nanostructure via ultrasound irradiation. <b>2011</b> , 46, 252-257	10
919	Room-temperature synthesis of flowerlike Ag nanostructures consisting of single crystalline Ag nanoplates. <b>2011</b> , 46, 1080-1084	32
918	Synthesis and characterization of micrometer Cu/PVP architectures. <b>2011</b> , 46, 1151-1155	
917	Size controllable synthesis of ultrafine silver particles through a one-step reaction. <i>Materials Letters</i> , <b>2011</b> , 65, 628-631	3-3 13
916	Synthesis of silver nanocubes and nanorods through sodium-bromide-assisted polyol route. <b>2011</b> , 6, 261	3
915	Influence of dissolved oxygen on aggregation kinetics of citrate-coated silver nanoparticles. <b>2011</b> , 159, 3757-62	74
914	Controlled structure of anatase TiO <sub>2</sub> nanoparticles by using organic additives in a microwave process. <b>2011</b> , 406, 119-123	10
913	Silver- and Nanosilver-Based Plastic Technologies. <b>2011</b> , 287-316	1
912	Silver nanoparticles: synthesis through chemical methods in solution and biomedical applications. <b>2011</b> , 9, 7-19	80
911	Hydrothermal synthesis of core-shell structured PS@GdPO <sub>4</sub> :Tb <sup>3+</sup> /Ce <sup>3+</sup> spherical particles and their luminescence properties. <b>2011</b> , 65,	6

910	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. <b>2011</b> , 111, 3669-712	2056
909	An improved seed-mediated growth method to coat complete silver shells onto silica spheres for surface-enhanced Raman scattering. <b>2011</b> , 387, 17-22	54
908	Large-scale synthesis of silver nanowires via a solvothermal method. <b>2011</b> , 22, 6-13	52
907	Controlled synthesis of monodisperse silver nanocubes via a solvothermal method. <b>2011</b> , 22, 1788-1795	12
906	Facile synthesis and electrochemical properties of octahedral gold nanocrystals. <b>2011</b> , 13, 157-163	6
905	Catalytic reduction of organic dyes at gold nanoparticles impregnated silica materials: influence of functional groups and surfactants. <b>2011</b> , 13, 3951-3959	50
904	A novel method to synthesize homogeneous and mono-dispersible CeO <sub>2</sub> nanospheres: two-step hydrothermal process. <b>2011</b> , 13, 4969-4978	7
903	Control of the aggregation behavior of silver nanoparticles in polyurethane matrix. <b>2011</b> , 13, 5289-5299	13
902	A simple hydrothermal route to synthesis of rod-like MnOOH and spindle-shaped MnCO <sub>3</sub> . <b>2011</b> , 289, 1643-1651	21
901	Crystallographic control of noble metal nanocrystals. <b>2011</b> , 6, 265-285	161
900	Synthesis and comparative study on the antimicrobial activity of hybrid materials based on silver nanoparticles (AgNps) stabilized by polyvinylpyrrolidone (PVP). <b>2011</b> , 4, 185-91	144
899	Fabrication of silver nanowire transparent electrodes at room temperature. <b>2011</b> , 4, 1215-1222	399
898	Shape-controlled synthesis of silver particles by surfactant self-assembly under ultrasound radiation. <b>2011</b> , 1, 27-35	24
897	Core shell hybrids based on noble metal nanoparticles and conjugated polymers: synthesis and characterization. <b>2011</b> , 6, 98	47
896	Resolving in situ specific-contact, current-crowding, and channel resistivity in nanowire devices: a case study with silver nanowires. <b>2011</b> , 7, 2873-7	10
895	Poly(vinylpyrrolidone)-stabilized silver nanoparticles for strained-silicon surface enhanced Raman spectroscopy. <b>2011</b> , 42, 2085-2088	2
894	Antimicrobial properties of silver nanoparticles synthesized by bioaffinity adsorption coupled with TiO <sub>2</sub> photocatalysis. <b>2011</b> , 86, 421-427	14
893	Shape Matters: Anisotropy of the Morphology of Inorganic Colloidal Particles [Synthesis and Function. <b>2011</b> , 21, 3214-3230	84

892	Silver nanowires: from scalable synthesis to recyclable foldable electronics. <b>2011</b> , 23, 3052-6		255
891	Hydrothermal synthesis of highly symmetric 26-facet Cu <sub>2</sub> O polyhedra. <b>2011</b> , 46, 300-304		11
890	Selektives epitaktisches Wachstum von Silbernanoplättchen. <b>2011</b> , 123, 1024-1025		2
889	Selective epitaxial growth of silver nanoplates. <b>2011</b> , 50, 992-3		11
888	Coordination power adjustment of surface-regulating polymers for shaping gold polyhedral nanocrystals. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8466-71	4.8	14
887	Green synthesis of silver nanoparticles by chemical reduction with hyaluronan. <b>2011</b> , 86, 956-961		45
886	Biomimetic preparation of polymer-supported free radical scavenging, cytocompatible and antimicrobial "green" silver nanoparticles using aqueous extract of Citrus sinensis peel. <b>2011</b> , 84, 338-45		88
885	Hydrazine-induced thermo-reversible optical shifts in silver-gelatin bionanocomposites. <b>2011</b> , 505, 37-41		8
884	Synthesis and electrocatalytic property of mono-dispersed Ag/Fe <sub>3</sub> O <sub>4</sub> composite micro-sphere. <b>2011</b> , 176, 1123-1127		13
883	Utilization of laser ablation in aqueous solution for observation of photoinduced shape conversion of silver nanoparticles in citrate solutions. <b>2011</b> , 221, 224-231		24
882	Light-assisted nucleation of silver nanowires during polyol synthesis. <b>2011</b> , 221, 220-223		24
881	Fabrication of Ag/Al(OH) <sub>3</sub> mesoporous nanocomposite film. <b>2011</b> , 139, 211-215		3
880	Facile synthesis of silver core - silica shell composite nanoparticles. <b>2011</b> , 354, 887-90		41
879	Preparation and optical properties of silver nanowires and silver-nanowire thin films. <b>2011</b> , 356, 151-8		90
878	Mechanistic studies on the formation of silver nanowires by a hydrothermal method. <b>2011</b> , 362, 267-73		28
877	A novel shape-controlled synthesis of dispersed silver nanoparticles by combined bioaffinity adsorption and TiO <sub>2</sub> photocatalysis. <b>2011</b> , 212, 166-172		20
876	Preparation and Process Clarification of Metal Nanoplate by Pulse Wire Discharged Method in Liquid Media. <b>2011</b> , 50, 01BJ08		
875	Areca catechu Linn.Derived Silver Nanoparticles: A Novel Antitumor Agent against Dalton's Ascites Lymphoma. <b>2011</b> , 3, 1-12		9

874	Silver-based antimicrobial polymers for food packaging. <b>2011</b> , 347-367	4
873	Liquid-Phase Synthesis of Inorganic Nanoparticles. <b>2011</b> ,	
872	The Controlled Synthesis of Single-Crystalline Cd(OH) <sub>2</sub> Nanoparticles with Different Morphologies. <b>2011</b> , 295-297, 808-812	
871	Nanocoatings and ultra-thin films for packaging applications. <b>2011</b> , 203-234	8
870	The Effect of SDBS-Ag <sup>+</sup> Ligand on the Preparation of Flake-Like Silver Particles. <b>2011</b> , 233-235, 1911-1915	1
869	High-Yield Synthesis of Uniform Ag Nanowires with High Aspect Ratios by Introducing the Long-Chain PVP in an Improved Polyol Process. <b>2011</b> , 2011, 1-7	86
868	Nanostructures for surface plasmons. <b>2012</b> , 4, 157	79
867	Controlled synthesis of magnetic Pd/Fe <sub>3</sub> O <sub>4</sub> spheres via an ethylenediamine-assisted route. <b>2012</b> , 41, 3204-8	27
866	Synthesis of Silver Nanostructures by the Polyol Method and their Statistical Analysis Using Design of Experiments. <b>2012</b> , 1371, 7	2
865	Sonochemical Synthesis of Mineral Nanoparticles and Its Applications in Epoxy Nanocomposites. <b>2012</b> , 51, 111-115	11
864	Combinatorial Polymer Library Approach for the Synthesis of Silver Nanoplates. <b>2012</b> , 24, 4424-4433	33
863	Atomic ensemble and electronic effects in Ag-rich AgPd nanoalloy catalysts for oxygen reduction in alkaline media. <b>2012</b> , 134, 9812-9	225
862	Adsorption of polyvinylpyrrolidone on Ag surfaces: insight into a structure-directing agent. <b>2012</b> , 12, 997-1001	149
861	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <b>2012</b> , 414, 17-25	16
860	Galvanic-cell-induced growth of Ag nanosheet-assembled structures as sensitive and reproducible SERS substrates. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14948-53	4.8 32
859	Solvothermal fabrication of uniform silver nanowires. <b>2012</b> , 23, 2035-2041	12
858	Seed-mediated growth and manipulation of Au nanorods via size-controlled synthesis of Au seeds. <b>2012</b> , 14, 1	12
857	High-yield synthesis of multispiked gold nanoparticles: Characterization and catalytic reactions. <b>2012</b> , 396, 336-340	20

856	Low temperature synthesis of conductive silver tracks with polymer addition. <b>2012</b> , 43, 965-970	12
855	Facile synthesis of glass/silver nanodisk core/shell composite hollow spheres. <b>2012</b> , 2, 5058	3
854	Low-temperature plasma-assisted preparation of graphene supported palladium nanoparticles with high hydrodesulfurization activity. <b>2012</b> , 22, 14363	56
853	Facile growth of silver crystals with greatly varied morphologies by PEO-PPO-PEO tri-block copolymers. <b>2012</b> , 14, 2871	11
852	A trifunctional photopatterning component derived from cysteine: fabrication of a deposited silver micropattern. <b>2012</b> , 22, 3139	5
851	Molecular-mediated assembly of silver nanoparticles with controlled interparticle spacing and chain length. <b>2012</b> , 22, 22204	22
850	Uniform Eu <sup>3+</sup> -doped YF <sub>3</sub> microcrystals: inorganic salt-controlled synthesis and their luminescent properties. <b>2012</b> , 14, 3915	19
849	Biomimetic crystallization of anisotropic zinc oxide nanoparticles in the homogeneous phase: shape control by surface additives applied under thermodynamic or kinetic control. <b>2012</b> , 2, 5298	16
848	Silver nanowires and nanoparticles from a microfluidic reactor: application to metal assisted silicon etching. <b>2012</b> , 36, 2456	19
847	Boronic acid-protected gold clusters capable of asymmetric induction: spectral deconvolution analysis of their electronic absorption and magnetic circular dichroism. <b>2012</b> , 28, 3995-4002	12
846	Fabrication of disconnected three-dimensional silver nanostructures in a polymer matrix. <b>2012</b> , 100, 063120	42
845	Synthesis of silver nanoparticles in aqueous solutions in the presence of poly-N-vinyl-2-pyrrolidone. <b>2012</b> ,	
844	Controlling the Aspect Ratio of Silver Nanowires by Variation of Polyvinylpyrrolidone/AgNO <sub>3</sub> Contents. <b>2012</b> , 566, 112-119	2
843	The threshold length for fiber-induced acute pleural inflammation: shedding light on the early events in asbestos-induced mesothelioma. <b>2012</b> , 128, 461-70	141
842	Development of a silver nanoparticle-based method for the antioxidant capacity measurement of polyphenols. <b>2012</b> , 84, 8052-9	102
841	Reversibly stretchable transparent conductive coatings of spray-deposited silver nanowires. <b>2012</b> , 4, 1855-9	253
840	Surfactantless photochemical growth of Ag nanostructures on GaN epitaxial films with controlled morphologies and their application for SERS. <b>2012</b> , 22, 2410-2418	15
839	A simple approach towards uniform spherical Ag-like nanoparticles. <b>2012</b> , 4, 3036-9	9

838	Superhydrophobic conductive textiles with antibacterial property by coating fibers with silver nanoparticles. <b>2012</b> , 258, 2468-2472	266
837	Rapid, green synthesis and surface-enhanced Raman scattering effect of single-crystal silver nanocubes. <b>2012</b> , 1021, 158-161	16
836	A simple approach for facile synthesis of Ag, anisotropic Au and bimetallic (Ag/Au) nanoparticles using cruciferous vegetable extracts. <b>2012</b> , 32, 1827-1834	44
835	Environmental transformations of silver nanoparticles: impact on stability and toxicity. <b>2012</b> , 46, 6900-14	1096
834	Silver Nanocomposites and Their Biomedical Applications. <b>2012</b> ,	2
833	Shape-Controlled Synthesis of Copper Nanoparticles. <b>2012</b> , 167-182	1
832	Ultra-broad plasma resonance enhanced multicolor emissions in an assembled Ag/NaYF <sub>4</sub> :Yb,Er nano-film. <b>2012</b> , 4, 6971-3	54
831	Hierarchical TiO <sub>2</sub> Nanoflakes and Nanoparticles Hybrid Structure for Improved Photocatalytic Activity. <b>2012</b> , 116, 2772-2780	231
830	Modeling Nanomorphology in Noble Metal Particles: Thermodynamic Cartography. <b>2012</b> , 269-303	1
829	Silver Nanorice Structures: Oriented Attachment-Dominated Growth, High Environmental Sensitivity, and Real-Space Visualization of Multipolar Resonances. <b>2012</b> , 24, 2339-2346	64
828	Silver Nanostructures: Properties, Synthesis, and Biosensor Applications. <b>2012</b> , 359-404	10
827	Efficiency enhancement of ITO-free organic polymeric solar cells by light trapping. <b>2012</b> ,	
826	A facile synthesis of branched silver nanowire structures and its applications in surface-enhanced Raman scattering. <b>2012</b> , 7, 521-526	19
825	Morphology and optical absorption change of Ag/SiO <sub>2</sub> core-shell nanoparticles under thermal annealing. <b>2012</b> , 101, 083903	15
824	Direct, rapid, facile photochemical method for preparing copper nanoparticles and copper patterns. <b>2012</b> , 28, 14461-9	31
823	Photocatalysis Coupled with Thermal Effect Induced by SPR on Ag-Loaded Bi <sub>2</sub> WO <sub>6</sub> with Enhanced Photocatalytic Activity. <b>2012</b> , 116, 25898-25903	107
822	Aloe vera induced biomimetic assemblage of nucleobase into nanosized particles. <b>2012</b> , 7, e32049	19
821	Macroscopic-scale alignment of ultralong Ag nanowires in polymer nanofiber mat and their hierarchical structures by magnetic-field-assisted electrospinning. <b>2012</b> , 8, 2936-40	60

820	Bacterial effects and protein corona evaluations: crucial ignored factors in the prediction of bio-efficacy of various forms of silver nanoparticles. <b>2012</b> , 25, 1231-42	87
819	Facile one-step synthesis of plasmonic/magnetic core/shell nanostructures and their multifunctionality. <b>2012</b> , 22, 10779	64
818	Highly Stable Silver Nanoplates for Surface Plasmon Resonance Biosensing. <b>2012</b> , 124, 5727-5731	21
817	Edelmetall-Nanokristalle mit konkaven Oberflächen: Synthese und Anwendungen. <b>2012</b> , 124, 7774-7792	44
816	Highly stable silver nanoplates for surface plasmon resonance biosensing. <b>2012</b> , 51, 5629-33	281
815	Noble-metal nanocrystals with concave surfaces: synthesis and applications. <b>2012</b> , 51, 7656-73	380
814	Synergetic effect of sodium citrate and starch in the synthesis of silver nanoparticles. <b>2012</b> , 126, E154-E161	18
813	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal CoreShell Nanoparticles for Few-Cycle Laser Applications. <b>2012</b> , 7, 99-106	10
812	Preparation of silver nanoparticles in the presence of chitosan by electrochemical method. <b>2012</b> , 89, 236-44	123
811	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a modified polyol process <b>2012</b> , 395, 145-151	58
810	Shape-directing role of cetyltrimethylammonium bromide in the preparation of silver nanoparticles. <b>2012</b> , 367, 101-8	54
809	Precipitation of silver/palladium alloy platelets from homogeneous solutions. <b>2012</b> , 376, 62-6	3
808	Synthesis of nanostructured M/Fe <sub>3</sub> O <sub>4</sub> (M=Ag, Cu) composites using hexamethylenetetramine and their electrocatalytic properties. <b>2012</b> , 134, 177-182	13
807	A novel polyol method to synthesize colloidal silver nanoparticles by ultrasonic irradiation. <b>2012</b> , 19, 209-15	58
806	Mixed colloidal suspensions of reduced graphene oxide and layered metal oxide nanosheets: useful precursors for the porous nanocomposites and hybrid films of graphene/metal oxide. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2263-71	4.8 53
805	Solution templating of Au and Ag nanoparticles by linear poly[2-(diethylamino)ethyl methacrylate]. <b>2012</b> , 14, 1	3
804	Indole-based polymer and its silver nanocomposite as advanced antibacterial agents: synthetic path, kinetics of polymerization and applications. <b>2013</b> , 62, 210-218	10
803	Biosynthesis, characterisation and anti-bacterial effect of plant-mediated silver nanoparticles using <i>Artemisia nilagirica</i> . <b>2013</b> , 41, 235-240	235

802	Dipyrrromethane as a new organic reagent for the synthesis of gold nanoparticles: preparation and application. <b>2013</b> , 10, 1151-1157	6
801	Control over the electrostatic self-assembly of nanoparticle semiflexible biopolyelectrolyte complexes. <b>2013</b> , 9, 5004	24
800	Origin and shape evolution of core-shell nanoparticles in AuPd: from few atoms to high Miller index facets. <b>2013</b> , 15, 1	20
799	Polyoxometalate-mediated green synthesis of a 2D silver nanonet/graphene nano hybrid as a synergistic catalyst for the oxygen reduction reaction. <b>2013</b> , 1, 11961	65
798	Enhanced ultraviolet emission and improved spatial distribution uniformity of ZnO nanorod array light-emitting diodes via Ag nanoparticles decoration. <b>2013</b> , 5, 8634-9	40
797	Impact of microwave power on the preparation of silver nanowires via a microwave-assisted method. <b>2013</b> , 3, 8431	23
796	Shape control technology during electrochemical synthesis of gold nanoparticles. <b>2013</b> , 20, 486-492	8
795	The influence of reagents on the preparation of Cu nanowires by tetradecylamine-assisted hydrothermal method. <b>2013</b> , 48, 4073-4080	25
794	Fluorescence enhancement of Ru(bpy) <sub>3</sub> <sup>2+</sup> by core-shell Ag@SiO <sub>2</sub> nanocomposites. <b>2013</b> , 581, 6-10	16
793	Reliable methods for silica coating of Au nanoparticles. <b>2013</b> , 1025, 75-93	7
792	Octahedral noble-metal nanoparticles and their electrocatalytic properties. <b>2013</b> , 6, 1848-57	6
791	Evaluation of anti-quorum sensing activity of silver nanowires. <b>2013</b> , 97, 3593-601	36
790	Photomediated assembly of single crystalline silver spherical particles with enhanced electrochemical performance. <b>2013</b> , 1, 692-698	19
789	Gold plating of silver nanoparticles for superior stability and preserved plasmonic and sensing properties. <b>2013</b> , 49, 11355-7	36
788	Facile synthesis of palladium right bipyramids and their use as seeds for overgrowth and as catalysts for formic acid oxidation. <b>2013</b> , 135, 15706-9	125
787	Enhancement of luminescent emission in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> films with Ag/Au nanoparticles. <b>2013</b> , 565, 98-101	11
786	Enormous Plasmonic Enhancement and Suppressed Quenching of Luminescence from Nanoscale ZnO Films by Uniformly Dispersed Atomic-Layer-Deposited Platinum with Optimized Spacer Thickness. <b>2013</b> , 117, 26204-26212	12
785	Mechanism of Shape Evolution in Ag Nanoprisms Stabilized by Thiol-Terminated Poly(ethylene glycol): An in Situ Kinetic Study. <b>2013</b> , 25, 4206-4214	36



784	Synthesis of silver nanocubes with controlled size using water-soluble poly(amic acid) salt as the intermediate via a novel ion-exchange self-assembly technique. <b>2013</b> , 5, 12132-5	17
783	LSPR-dependent SERS performance of silver nanoplates with highly stable and broad tunable LSPRs prepared through an improved seed-mediated strategy. <b>2013</b> , 15, 21034-42	63
782	Printed electrically conductive composites: conductive filler designs and surface engineering. <b>2013</b> , 1, 4052	104
781	Flexible transparent conductive materials based on silver nanowire networks: a review. <b>2013</b> , 24, 452001	533
780	H <sub>2</sub> O <sub>2</sub> -triggered shape transformation of silver nanospheres to nanoprisms with controllable longitudinal LSPR wavelengths. <b>2013</b> , 3, 12886	64
779	High-frequency mechanical stirring initiates anisotropic growth of seeds requisite for synthesis of asymmetric metallic nanoparticles like silver nanorods. <b>2013</b> , 13, 4739-45	36
778	Electrodeposition of silver nanostructures: from polygons to dendrites. <b>2013</b> , 15, 2052	37
777	Facile synthesis of size-tunable Cu <sub>39</sub> S <sub>28</sub> micro/nano-crystals and small-sized configuration enhanced visible-light photocatalytic activity. <b>2013</b> , 15, 5792	13
776	Evaluating cell specific cytotoxicity of differentially charged silver nanoparticles. <b>2013</b> , 51, 1-14	76
775	Electron microscopy of pharmaceutical systems. <b>2013</b> , 44, 45-74	70
774	The Polyol Process. <b>2013</b> , 1-25	16
773	Binding of Polyvinylpyrrolidone to Ag Surfaces: Insight into a Structure-Directing Agent from Dispersion-Corrected Density Functional Theory. <b>2013</b> , 117, 1163-1171	82
772	On the surface structure of 1,3-dithiol-protected gold nanoparticles interpreted by the size effect of IR absorption properties. <b>2013</b> , 426, 39-46	3
771	Facile one-step synthesis of Ag@Fe <sub>3</sub> O <sub>4</sub> core-shell nanospheres for reproducible SERS substrates. <b>2013</b> , 1046, 74-81	35
770	Uniform hierarchical SnS microspheres: Solvothermal synthesis and lithium ion storage performance. <b>2013</b> , 48, 4935-4941	15
769	Improving the quality of nanoparticle production by using a new biphasic synthesis in a slug flow microreactor. <b>2013</b> , 228, 1083-1091	10
768	Fabrication of silver-coated cobalt ferrite nanocomposite and the study of its antibacterial activity. <b>2013</b> , 333, 138-143	62
767	Non-hazardous anticancerous and antibacterial colloidal 'green' silver nanoparticles. <b>2013</b> , 105, 37-42	72

766	Encapsuled nanoreactors (Au@SnO <sub>2</sub> ) a new sensing material for chemical sensors. <b>2013</b> , 5, 2686-91	223
765	Green synthesis of silver nanoparticles using sunlight. <b>2013</b> , 258, 1-9	62
764	Does Morphology of a Metal Nanoparticle Play a Role in Ostwald Ripening Processes?. <b>2013</b> , 25, 365-371	32
763	Synthesis of Ag nanocubes 18-32 nm in edge length: the effects of polyol on reduction kinetics, size control, and reproducibility. <b>2013</b> , 135, 1941-51	235
762	Introduction. <b>2013</b> , 1-32	2
761	Shape-controlled synthesis of metal nanocrystals. <b>2013</b> , 38, 335-344	99
760	Biological Synthesis of Silver Nanoparticles and Assessment of Their Bactericidal Activity. <b>2013</b> , 107-120	2
759	Organic-Free Self-Assembled Copper Sulfide Microflowers. <b>2013</b> , 2013, 2102-2108	12
758	Morphology-controlled synthesis of silver nanoparticles on the silicon substrate by a facile silver mirror reaction. <b>2013</b> , 3, 032119	12
757	Nanotechnology innovations for the construction industry. <b>2013</b> , 58, 1056-1102	195
756	Silver chloride as a heterogeneous nucleant for the growth of silver nanowires. <b>2013</b> , 7, 3844-53	99
755	Bactericidal activity of Ag-doped multi-walled carbon nanotubes and the effects of extracellular polymeric substances and natural organic matter. <b>2013</b> , 104, 133-9	30
754	Comparison of the Binding of Polyvinylpyrrolidone and Polyethylene Oxide to Ag Surfaces: Elements of a Successful Structure-Directing Agent. <b>2013</b> , 117, 11444-11448	34
753	Synthesis of silver octahedra with controlled sizes and optical properties via seed-mediated growth. <b>2013</b> , 7, 4586-94	133
752	Synthesis and magnetic properties of flower-like FeCo particles through a one pot polyol process. <b>2013</b> , 404, 49-55	49
751	In situ synthesis of nano silver on polyester using NaOH/Nano TiO <sub>2</sub> . <b>2013</b> , 129, 892-900	68
750	Electrochemical etching of gold within nanoshaved self-assembled monolayers. <b>2013</b> , 7, 5421-9	17
749	Solvothermal synthesis of sheet-like Co <sub>3</sub> O <sub>4</sub> and Ag/Co <sub>3</sub> O <sub>4</sub> nanocomposites and their electrocatalysis performances. <b>2013</b> , 140, 391-397	4

748	Efficient Ag@AgCl Cubic Cage Photocatalysts Profit from Ultrafast Plasmon-Induced Electron Transfer Processes. <b>2013</b> , 23, 2932-2940	255
747	Facile synthesis of single crystalline rhenium (VI) trioxide nanocubes with high catalytic efficiency for photodegradation of methyl orange. <b>2013</b> , 397, 18-23	14
746	Catalytic and photocatalytic transformations on metal nanoparticles with targeted geometric and plasmonic properties. <b>2013</b> , 46, 1890-9	213
745	Controlled synthesis of Ag nanoparticles with different morphologies and their antibacterial properties. <b>2013</b> , 33, 397-404	81
744	The activity of silver nanoparticles (axonnite) on clinical and environmental strains of Enterococcus spp. <b>2013</b> , 19, 21-9	2
743	Synthesis of Silver Nanocomposite with Poly(vinylpyrrolidone) and Poly(4-vinylpyridine) for Antimicrobial Activity. <b>2013</b> , 772, 9-14	2
742	Gravure fabrication and stability study of RFID antenna. <b>2013</b> ,	0
741	Effect of temperature on the morphology of silver nanoparticles on Si substrate in the silver mirror reaction. <b>2013</b> ,	
740	Review on the Synthesis and Applications of Fe <sub>3</sub> O <sub>4</sub> Nanomaterials. <b>2013</b> , 2013, 1-7	11
739	Near-field observations of surface plasmon excitation in photon-plasmon coupling structure. <b>2013</b> ,	
738	Fabrication of Silver Nanostructures by Microwave-Assisted Method. <b>2013</b> , 669, 85-90	
737	Influence Factors on the Size of Spherical Silver Powder Used for Solar Cell Top Electrode Paste. <b>2013</b> , 743-744, 903-909	
736	Self-Oriented Nanojoining of Silver Nanowires via Surface Selective Activation. <b>2013</b> , 30, 420-426	41
735	Preparation of polysulfone ultrafiltration membranes modified by silver particles. <b>2013</b> , 51, 3762-3767	5
734	A facile direct deposition of silver nanoparticles on silicon surface by silver mirror process. <b>2013</b> , 48, 1044-1049	6
733	Adsorption of methylamine on mackinawite (FES) surfaces: a density functional theory study. <b>2013</b> , 139, 124708	38
732	Ultrasonic-assisted synthesis of nano-BaSO <sub>4</sub> and its effect on thermal and cross-linking density of epoxy nanocomposites. <b>2013</b> , 32, 947-954	9
731	Surface-Enhanced Raman Scattering. <b>2013</b> , 339-372	

730	Surface plasmon resonance of metal nanostructures as a complementary technique for microscopic size measurement. <b>2013</b> , 3, 1	29
729	Tip-Enhanced Spectroscopy at the Nanoscale. <b>2013</b> , 1-40	1
728	OPTICAL ABSORPTION BEHAVIOR OF Co (II) ION DOPED PVA ASSISTED CdSe NANOPARTICLES. <b>2013</b> , 22, 346-350	
727	Phytochemical Synthesis and Preliminary Characterization of Silver Nanoparticles Using Hesperidin. <b>2013</b> , 2013, 1-6	22
726	Rapid green synthesis of silver nanoparticles from <i>Chrysanthemum indicum</i> L and its antibacterial and cytotoxic effects: an in vitro study. <b>2014</b> , 9, 379-88	135
725	. <b>2014</b> ,	4
724	Synthesis of silver nanowires as a SERS substrate for the detection of pesticide thiram. <b>2014</b> , 133, 411-6	55
723	Metamorphosis-like photochemical growth route for silver nanoprisms synthesis via the unrevealed key intermediates of nanorods and nanotrapezoids. <b>2014</b> , 16, 1	1
722	3D Hierarchical Microspheres of Cu-Doped Bi <sub>2</sub> WO <sub>6</sub> : Synthesis, Characterization, and Enhanced Photocatalytic Activity. <b>2014</b> , 23, 4342-4349	10
721	Development of Intelligent Nanomaterials as a Strategy to Solve Environmental Problems. <b>2014</b> , 373-385	
720	Facile Precursor for Synthesis of Silver Nanoparticles Using Alkali Treated Maize Starch. <b>2014</b> , 2014, 702396	26
719	Preparation and characterization of gelatin nanofibers containing silver nanoparticles. <b>2014</b> , 15, 6857-79	60
718	Facile Deposition of Ultrafine Silver Particles on Silicon Surface Not Submerged in Precursor Solutions for Applications in Antireflective Layer. <b>2014</b> , 2014, 1-6	2
717	Synthesis of silver nanostructures by multistep methods. <b>2014</b> , 14, 5860-89	58
716	Facile route to preparation of plate-like silver powders. <b>2014</b> , 9, 386-389	0
715	Silver nanomaterials for the detection of chemical and biological targets. <b>2014</b> , 3,	3
714	Morphology, physical properties, silver release, and antimicrobial capacity of ionic silver-loaded poly(L-lactide) films of interest in food-coating applications. <b>2014</b> , 131,	20
713	Nano-Antimicrobials Based on Metals. <b>2014</b> , 181-218	3

712	Silica/ultrasmall Ag composite microspheres: facile synthesis, characterization and antibacterial and catalytic performance. <b>2014</b> , 16, 2365-2370	19
711	Activation of oxygen-mediating pathway using copper ions: fine-tuning of growth kinetics in gold nanorod overgrowth. <b>2014</b> , 30, 12376-83	14
710	The simplest plasmonic molecules: Metal nanoparticle dimers and trimers. <b>2014</b> , 21, 26-39	62
709	Femtosecond laser direct writing of monocrystalline hexagonal silver prisms. <b>2014</b> , 105, 141114	1
708	Capping effect of reducing agents and surfactants in synthesizing silver nanoplates. <b>2014</b> , 24, 3732-3738	16
707	Nanosized Gold and Silver Spherical, Spiky, and Multi-branched Particles. <b>2014</b> , 179-212	3
706	High-concentration Facile Synthesis of Self-assembled Micron-sized Flower Silver Particles by Stainless Steel-Assisted Vitamin C Reduction Method. <b>2014</b> , 43, 2943-2947	1
705	Hollow and Solid Metallic Nanoparticles in Sensing and in Nanocatalysis. <b>2014</b> , 26, 44-58	124
704	A study on the electrical and mechanical properties of printed Ag thin films for flexible device application. <b>2014</b> , 596, 158-163	12
703	Fabrication of hierarchically porous silica nanospheres through sol-gel process and pseudomorphic transformation. <b>2014</b> , 70, 53-61	7
702	Directed transport and location-designated rotation of nanowires using ac electric fields. <b>2014</b> , 16, 237-246	2
701	Preparation and characterization of SiO <sub>2</sub> /CMC/Ag hybrids with antibacterial properties. <b>2014</b> , 101, 1166-75	30
700	Preparation and characterization of a novel nanocomposite: silver nanoparticles decorated cerasome. <b>2014</b> , 69, 199-206	5
699	Investigation on the role of the molecular weight of polyvinyl pyrrolidone in the shape control of high-yield silver nanospheres and nanowires. <b>2014</b> , 9, 17	88
698	LSPR optical fibre sensors based on hollow gold nanostructures. <b>2014</b> , 191, 37-44	56
697	Conductive nanomaterials for printed electronics. <b>2014</b> , 10, 3515-35	576
696	Colloidal Gold Nanoparticles: An Unexpected Catalytic Activity in Aqueous Phase with Dioxygen. <b>2014</b> , 144, 1219-1222	4
695	Synthesis of Highly Monodisperse Citrate-Stabilized Silver Nanoparticles of up to 200 nm: Kinetic Control and Catalytic Properties. <b>2014</b> , 26, 2836-2846	548

694	Transparent conductors composed of nanomaterials. <b>2014</b> , 6, 5581-91	162
693	Polyol synthesis of silver nanostructures: Inducing the growth of nanowires by a heat-up process. <b>2014</b> , 602, 10-15	21
692	A highly sensitive plasmonic DNA assay based on triangular silver nanoprism etching. <b>2014</b> , 8, 4902-7	127
691	Aqueous Diaminsilver Hydroxide as a Precursor of Pure Silver Nanoparticles for SERS Probing of Living Erythrocytes. <b>2014</b> , 9, 227-235	23
690	Synthesis, Morphological Control, and Properties of Silver Nanoparticles in Potential Applications. <b>2014</b> , 31, 293-316	111
689	Anisotropic Noble Metal Nanocrystal Growth: The Role of Halides. <b>2014</b> , 26, 34-43	290
688	Molecular phenomena in colloidal nanostructure synthesis. <b>2014</b> , 40, 134-140	13
687	A Force Field for Describing the Polyvinylpyrrolidone-Mediated Solution-Phase Synthesis of Shape-Selective Ag Nanoparticles. <b>2014</b> , 118, 3366-3374	36
686	Synthesis and self-assembly of large-area Cu nanosheets and their application as an aqueous conductive ink on flexible electronics. <b>2014</b> , 6, 622-9	39
685	Self-seeded growth of five-fold twinned copper nanowires: mechanistic study, characterization, and SERS applications. <b>2014</b> , 30, 602-10	109
684	Controlled growth of silver nanoparticles through a chemically assisted photocatalytic reduction process for SERS substrate applications. <b>2014</b> , 277, 1-11	8
683	Electron Microscopy of Pharmaceutical Systems. <b>2014</b> , 125-208	2
682	Preparation of Silver Nanoparticles by Using Tripropylene Glycol as the Reducing Agents of Polyol Process. <b>2014</b> , 13, 116-122	6
681	Titania single crystals with a curved surface. <b>2014</b> , 5, 5355	73
680	Controllable Ag nanostructure patterning in a microfluidic channel for real-time SERS systems. <b>2014</b> , 6, 2895-901	40
679	Facile method for preparation of superfine copper nanoparticles with high concentration of copper chloride through photoreduction. <b>2014</b> , 4, 27381-27388	20
678	CuCl <sub>2</sub> and stainless steel synergistically assisted synthesis of high-purity silver nanowires on a large scale. <b>2014</b> , 4, 47536-47539	7
677	Silicate sol-gel stabilized silver nanoparticles for sensor applications toward mercuric ions, hydrogen peroxide and nitrobenzene. <b>2014</b> , 202, 1070-1077	55

676	Controlled construction of hierarchical Co <sub>10</sub> S structures as high performance anode materials for lithium ion batteries. <b>2014</b> , 16, 814-819	61
675	One-pot synthesis of Ag@Cu yolk-shell nanostructures and their application as non-enzymatic glucose biosensors. <b>2014</b> , 16, 9075-9082	20
674	Rapid production of silver nanowires based on high concentration of AgNO <sub>3</sub> precursor and use of FeCl <sub>3</sub> as reaction promoter. <b>2014</b> , 4, 21060	49
673	Rapid size characterization of silver nanoparticles by single particle ICP-MS and isotope dilution. <b>2014</b> , 29, 1265-1272	44
672	Photochemically assisted formation of silver nanoparticles by dithizone, and its application in amperometric sensing of cefotaxime. <b>2014</b> , 2, 6859-6866	21
671	Shape control of Ag nanostructures via a postsynthetic annealing treatment. <b>2014</b> , 16, 7885	1
670	Shape-Controlled Synthesis of Silver Nature-Like Spiky Particles for Piezoresistive Sensor Applications. <b>2014</b> , 2014, 2711-2719	1
669	S <sub>4</sub> N <sub>4</sub> as an intermediate in Ag <sub>2</sub> S nanoparticle synthesis. <b>2014</b> , 4, 28219-28224	18
668	Enhancement of light emission from silicon by precisely tuning coupled localized surface plasmon resonance of a nanostructured platinum layer prepared by atomic layer deposition. <b>2014</b> , 6, 4179-85	6
667	Bulk metallic glass-like scattering signal in small metallic nanoparticles. <b>2014</b> , 8, 6163-70	23
666	Metallic glass nanostructures: fabrication, properties, and applications. <b>2014</b> , 6, 2027-36	35
665	Surface Plasmon Resonances in Oriented Silver Nanowire Coatings on Optical Fibers. <b>2014</b> , 118, 11035-11042	35
664	Continuous Production of Tailored Silver Nanoparticles by Polyol Synthesis and Reaction Yield Measured by X-ray Absorption Spectroscopy: Toward a Growth Mechanism. <b>2014</b> , 118, 11093-11103	14
663	Facile synthesis of oxidation-resistant copper nanowires toward solution-processable, flexible, foldable, and free-standing electrodes. <b>2014</b> , 10, 5047-52	58
662	Shape-dependent catalytic activity of oxygen reduction reaction (ORR) on silver nanodecahedra and nanocubes. <b>2014</b> , 269, 152-157	75
661	Polyol syntheses of palladium decahedra and icosahedra as pure samples by maneuvering the reaction kinetics with additives. <b>2014</b> , 8, 7041-50	82
660	Controlled photocatalytic growth of Ag nanocrystals on brookite and rutile and their SERS performance. <b>2014</b> , 6, 236-43	12
659	Green synthesis of protein capped silver nanoparticles from phytopathogenic fungus <i>Macrophomina phaseolina</i> (Tassi) Goid with antimicrobial properties against multidrug-resistant bacteria. <b>2014</b> , 9, 365	109

- 658 Facile fabrication of highly dispersed silver spheres with controllable sizes in the presence of gelatin. **2014**, 25, 2143-2148
- 657 One step synthesis of silver nanowires used in preparation of conductive silver paste. **2014**, 25, 2929-2933 18
- 656 Shape-controlled synthesis of ruthenium nanocrystals and their catalytic applications. **2014**, 38, 1827-1833 29
- 655 Kinetics and mechanism of the formation of silver nanoparticles by reduction of silver (I) with maltose in the presence of some active surfactants in aqueous medium. **2014**, 39, 487-493 6
- 654 Synthesis of silver-containing nanocomposites based on humic substances of brown coal and their antioxidant activity. **2014**, 456, 72-75 11
- 653 Fabrication and magnetic properties of nickel dodecahedra. **2014**, 43, 5913-9 0
- 652 Silver nanowires with rounded ends: ammonium carbonate-mediated polyol synthesis, shape evolution and growth mechanism. **2014**, 16, 244-251 25
- 651 Spatial mapping and quantification of soft and hard protein coronas at silver nanocubes. **2014**, 14, 2086-93 65
- 650 Molecular simulation of AG nanoparticle nucleation from solution: redox-reactions direct the evolution of shape and structure. **2014**, 14, 4913-7 26
- 649 Anisotropic growth of silver nanoparticles on preliminarily synthesized seeds. **2014**, 9, 391-397
- 648 Strategies for tailoring the properties of chemically precipitated metal powders. **2014**, 261, 87-97 15
- 647 Atomic-Scale Theory and Simulations for Colloidal Metal Nanocrystal Growth. **2014**, 59, 3113-3119 16
- 646 Template free synthesis of CuS nanosheet-based hierarchical microspheres: an efficient natural light driven photocatalyst. **2014**, 16, 5290 117
- 645 Vertical deposition of ultrafine silver particles on silicon surface out of solutions by silver mirror process. *Materials Letters*, **2014**, 116, 195-198 3.3 3
- 644 Plasmonic nanoparticles: fabrication, simulation and experiments. **2014**, 47, 213001 63
- 643 Synthesis and Characterization of Silver Nanoparticles Produced with a Bifunctional Stabilizing Agent. **2014**, 53, 3426-3434 23
- 642 Oriented aluminum nanocrystals in a one-step process. **2014**, 564, 128-134 3
- 641 Silver nanoparticles: Synthesis methods, bio-applications and properties. **2016**, 42, 173-80 198



640	The concentration effect of capping agent for synthesis of silver nanowire by using the polyol method. <b>2014</b> , 214, 2-6		51
639	Seed-mediated approach for the size-controlled synthesis of flower-like Ag mesostructures. <i>Materials Letters</i> , <b>2014</b> , 130, 9-13	3-3	12
638	PVP-coated, negatively charged silver nanoparticles: A multi-center study of their physicochemical characteristics, cell culture and in vivo experiments. <b>2014</b> , 5, 1944-65		102
637	Copper nanocoils synthesized through solvothermal method. <b>2015</b> , 5, 16879		7
636	Cytotoxicology of Nanocomposites. <b>2015</b> , 273-302		
635	Direct synthesis of mesostructured carbon nanofibers decorated with silver-nanoparticles as a multifunctional membrane for water treatment. <b>2015</b> , 6, 045003		8
634	Nanomaterials: Source of antimicrobial products. <b>2015</b> , 403-418		
633	Novel Synthesis, Coating, and Networking of Curved Copper Nanowires for Flexible Transparent Conductive Electrodes. <b>2015</b> , 11, 4576-83		64
632	. <b>2015</b> ,		21
631	Preparation of a Nanosilver Composite Plant Medium with Antimicrobial Capability through a Nontoxic Method. <b>2015</b> , 5, 21		2
630	Biosynthesis of Silver Nanoparticles and Its Applications. <b>2015</b> , 2015, 1-18		109
629	Hydroquinone-assisted synthesis of branched au-ag nanoparticles with polydopamine coating as highly efficient photothermal agents. <b>2015</b> , 7, 11613-23		77
628	The Effect of FeCl <sub>3</sub> in the Shape Control Polyol Synthesis of Silver Nanospheres and Nanowires. <b>2015</b> , 26, 1901-1910		9
627	Joining of Silver Nanomaterials at Low Temperatures: Processes, Properties, and Applications. <b>2015</b> , 7, 12597-618		203
626	Effect of NaCl Concentration on Silver Nanoparticles Produced by 1064 nm Laser Ablation in NaCl Solution. <b>2015</b> , 606, 36-46		2
625	Highly stretchable dielectric elastomer composites containing high volume fractions of silver nanoparticles. <b>2015</b> , 3, 14675-14685		68
624	Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent. <b>2015</b> , 144, 1377-86		11
623	Accurate control of individual metallic nanowires by light-induced dielectrophoresis: Size-based separation and array-spacing regulation. <b>2015</b> , 225, 139-147		5

622	Roll-offset printed transparent conducting electrode for organic solar cells. <b>2015</b> , 580, 21-28	26
621	Shape-Controlled Synthesis of Colloidal Metal Nanocrystals: Thermodynamic versus Kinetic Products. <b>2015</b> , 137, 7947-66	606
620	Elucidating the real-time Ag nanoparticle growth on $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> during electron beam irradiation: experimental evidence and theoretical insights. <b>2015</b> , 17, 5352-9	52
619	Chemically synthesized noble metal nanostructures for plasmonics. <b>2015</b> , 4,	14
618	Atomic-layer-deposited silver and dielectric nanostructures for plasmonic enhancement of Raman scattering from nanoscale ultrathin films. <b>2015</b> , 26, 265702	10
617	Localized Surface Plasmon Resonance of Silver Nanotriangles Synthesized by a Versatile Solution Reaction. <b>2015</b> , 10, 1058	43
616	Effect of Reaction Inhibitors on Synthesized Silver Nanostructures via Solvothermal Method. <b>2015</b> , 645-646, 297-302	
615	Facile synthesis of porous Ag microspheres via Cu <sup>2+</sup> -mediated reduction of AgCl. <b>2015</b> , 10, 689-692	
614	Surface Composition of Silver Nanocubes and Their Influence on Morphological Stabilization and Catalytic Performance in Ethylene Epoxidation. <b>2015</b> , 7, 28576-84	22
613	Enhancement of visible-light photocatalytic activity of silver and mesoporous carbon co-modified Bi <sub>2</sub> WO <sub>6</sub> . <b>2015</b> , 332, 138-146	18
612	Phytosynthesis of silver-reduced graphene oxide (AgRGO) nanocomposite with an enhanced antibacterial effect using Potamogeton pectinatus extract. <b>2015</b> , 5, 17358-17365	43
611	Green synthesis of water-dispersible silver nanoparticles at room temperature using green carambola (star fruit) extract. <b>2015</b> , 73, 199-207	31
610	Silver nanoprism etching-based plasmonic ELISA for the high sensitive detection of prostate-specific antigen. <b>2015</b> , 69, 128-34	117
609	Magnetic gold nanotriangles by microwave-assisted polyol synthesis. <b>2015</b> , 7, 14039-46	31
608	Synthesis of different copper nanostructures by the use of polyol technique. <b>2015</b> , 120, 1579-1586	3
607	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Pt nanoparticles assembled in the inner surface of mesoporous SiO <sub>2</sub> spherical shell. <b>2015</b> , 284, 387-395	11
606	Colloidal Crystals of Spheres and Cubes in Real and Reciprocal Space. <b>2015</b> ,	7
605	Preparation of silver nanowires coated with TiO <sub>2</sub> using chemical binder and their applications as photoanodes in dye sensitized solar cell. <b>2015</b> , 86, 122-130	9

604	Growth Mechanism and Electrical and Magnetic Properties of Ag-Fe <sub>3</sub> O <sub>4</sub> Core-Shell Nanowires. <b>2015</b> , 7, 16027-39	47
603	Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures. <b>2015</b> , 5, 62563-62570	14
602	Biological Synthesis of Nanosilver by Using Plants. <b>2015</b> , 1109, 30-34	8
601	Shape-controlled extracellular synthesis of silver nanocubes by <i>Mucor circinelloides</i> . <i>Materials Letters</i> , <b>2015</b> , 159, 481-483	3-3 8
600	Reducing Environmental Toxicity of Silver Nanoparticles through Shape Control. <b>2015</b> , 49, 10093-8	69
599	Source of cytotoxicity in a colloidal silver nanoparticle suspension. <b>2015</b> , 26, 195103	13
598	Electrochemical Oxidation of Ammonia over Rare Earth Oxide Modified Platinum Catalysts. <b>2015</b> , 119, 9134-9141	39
597	Preparation and characterization of cellulose/Ag nanocomposites. <b>2015</b> , 36, 2220-2229	6
596	A Visible Perception from the Nano-world: Visible Light-Active Metal Oxide Nanomaterials in Photocatalysis and Quantum Dot Engineering in Solar Cells. <b>2015</b> , 303-316	
595	Atomistic Simulations of Coating of Silver Nanoparticles with Poly(vinylpyrrolidone) Oligomers: Effect of Oligomer Chain Length. <b>2015</b> , 119, 7888-7899	95
594	Nanobiotechnology in Agricultural Development. <b>2015</b> , 683-698	6
593	Faceting of Equilibrium and Metastable Nanostructures: A Phase-Field Model of Surface Diffusion Tackling Realistic Shapes. <b>2015</b> , 15, 2787-2794	54
592	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. <b>2015</b> , 17, 3727-3762	100
591	Synthetic Routes for the Preparation of Silver Nanoparticles. <b>2015</b> , 13-46	61
590	Noble Metal Nanomaterials: Synthetic Routes, Fundamental Properties, and Promising Applications. <b>2015</b> , 66, 131-211	12
589	Nanocatalysis: size- and shape-dependent chemisorption and catalytic reactivity. <b>2015</b> , 70, 135-187	237
588	Carbon coated manganese monoxide octahedron negative-electrode for lithium-ion batteries with enhanced performance. <b>2015</b> , 5, 34566-34571	36
587	Spectroscopic characterization of the effect of gamma radiation on the physical parameters of biosynthesized silver/chitosan nano-particles and their antimicrobial activity. <b>2015</b> , 2, 095023	3

586	Block copolymer-mediated synthesis of silver nanoparticles from silver ions in aqueous media. <b>2015</b> , 487, 84-91	13
585	Fabrication of silver nanoplates using Nephelium lappaceum (Rambutan) peel: A sustainable approach. <b>2015</b> , 211, 476-480	54
584	Electrochemical monitoring of colloidal silver nanowires in aqueous samples. <b>2015</b> , 140, 6705-10	4
583	Ag-decorated Bi <sub>2</sub> O <sub>3</sub> nanospheres with enhanced visible-light-driven photocatalytic activities for water treatment. <b>2015</b> , 5, 69312-69318	36
582	Bromide (Br)--Based Synthesis of Ag Nanocubes with High-Yield. <b>2015</b> , 5, 10772	24
581	Microbead silica decorated with polyhedral silver nanoparticles as a versatile component of sacrificial gel films for SERS applications. <b>2015</b> , 5, 90335-90342	7
580	Controlling shape and spatial organization of silver crystals by site-selective chemical growth method for improving surface enhanced Raman scattering activity. <b>2015</b> , 484, 508-517	5
579	Facile synthesis of oleylamine-capped silver nanowires and their application in transparent conductive electrodes. <b>2015</b> , 5, 74126-74131	7
578	A comparative study of structure and electromagnetic interference shielding performance for silver nanostructure hybrid polyimide foams. <b>2015</b> , 5, 65283-65296	80
577	Electrodeposition of Vertically Aligned Silver Nanoplate Arrays on Indium Tin Oxide Substrates. <b>2015</b> , 119, 20709-20720	29
576	Synthesis of long Ag nanowires and its application in GaN nanowires photodetector as transparent electrodes. <b>2015</b> , 26, 6787-6792	8
575	Enhanced degree of polymerization of methacrylate and epoxy resins by plasmonic heating of embedded silver nanoparticles. <b>2015</b> , 88, 220-227	6
574	SSZ-13 Crystallization by Particle Attachment and Deterministic Pathways to Crystal Size Control. <b>2015</b> , 137, 13007-17	144
573	Preparation of silver nanowires and their application in conducting polymer nanocomposites. <b>2015</b> , 166, 1-15	51
572	Potentiometric in Situ Monitoring of Anions in the Synthesis of Copper and Silver Nanoparticles Using the Polyol Process. <b>2015</b> , 9, 12104-14	15
571	Binary conductive network for construction of Si/Ag nanowires/rGO integrated composite film by vacuum-filtration method and their application for lithium ion batteries. <b>2015</b> , 180, 1068-1074	33
570	A simple method of growing silver chloride nanocubes on silver nanowires. <b>2015</b> , 26, 381002	2
569	Conductive nanocomposites based on polystyrene microspheres and silver nanowires by latex blending. <b>2015</b> , 7, 756-64	32

568	Unexpected Fluorescence of Polyols and PEGylated Nanoparticles Derived from Carbon Dot Formation. <b>2015</b> , 32, 467-475		18
567	Three-dimensional plasmonic hydrogel architecture: facile synthesis and its macroscale effective space. <b>2015</b> , 5, 2231-2238		10
566	Reagent control over the composition of mixed metal oxide nanoparticles. <b>2015</b> , 10, 324-349		12
565	Nitrogen-doped graphene-silver nanodendrites for the non-enzymatic detection of hydrogen peroxide. <b>2015</b> , 151, 126-133		77
564	Intracellular synthesis of silver nanoparticle by actinobacteria and its antimicrobial activity. <b>2015</b> , 136 Pt B, 1175-80		89
563	Study of antibacterial activity of Ag and Ag <sub>2</sub> CO <sub>3</sub> nanoparticles stabilized over montmorillonite. <b>2015</b> , 136 Pt C, 1728-33		24
562	Nano Ag@AgBr surface-sensitized Bi <sub>2</sub> WO <sub>6</sub> photocatalyst: oil-in-water synthesis and enhanced photocatalytic degradation. <b>2015</b> , 324, 20-29		58
561	Compact Ag@Fe <sub>3</sub> O <sub>4</sub> core-shell nanoparticles by means of single-step thermal decomposition reaction. <b>2014</b> , 4, 6839		48
560	Green synthesis of highly concentrated aqueous colloidal solutions of large starch-stabilised silver nanoplatelets. <b>2015</b> , 46, 530-7		23
559	Silver particle monolayers [Formation, stability, applications. <b>2015</b> , 222, 530-63		48
558	Silver nanostructure dependence on the stirring-time in a high-yield polyol synthesis using a short-chain PVP. <i>Materials Letters</i> , <b>2015</b> , 138, 167-170	3-3	17
557	Oil-in-water self-assembled Ag@AgCl QDs sensitized Bi <sub>2</sub> WO <sub>6</sub> : Enhanced photocatalytic degradation under visible light irradiation. <b>2015</b> , 164, 192-203		218
556	Naphthazarin, a simple model of important antitumor agents in a facile size-tunable synthesis of gold nanoparticles. <b>2015</b> , 41, 5985-5993		1
555	Controlled synthesis and photocatalytic properties of Ag <sub>3</sub> PO <sub>4</sub> microcrystals. <b>2015</b> , 619, 293-297		35
554	Nanocolloids of Noble Metals. <b>2016</b> , 37-73		
553	Structural and Optical Properties of Zirconia Nanoparticles by Thermal Treatment Synthesis. <b>2016</b> , 2016, 1-6		39
552	UV Treatment of the Stabilizing Shell for Improving the Photostability of Silver Nanoparticles. <b>2016</b> , 2016, 1-7		4
551	Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes. <b>2016</b> , 6,		350

550	Silver Nanoparticles: Synthesis, Characterization, Properties, Applications, and Therapeutic Approaches. <b>2016</b> , 17,	1195
549	Synthesis, characterization, and applications of nanobiomaterials for antimicrobial therapy. <b>2016</b> , 103-152	10
548	Silver nanoparticle ink technology: state of the art. <b>2016</b> , 9, 1-13	100
547	Silver Nanowire-Based Stretchable and Transparent Electrodes. <b>2016</b> , 19, 228-233	1
546	Shape-Persistent Replica Synthesis of Gold/Silver Bimetallic Nanoplates Using Tailored Silica Cages. <b>2016</b> , 12, 1322-7	4
545	Preparation and characterization of poly(ethylene glycol) stabilized nano silver particles by a mechanochemical assisted ball mill process. <b>2016</b> , 133, n/a-n/a	54
544	Stimuli-Responsive Extraction and Ambidextrous Redispersion of Zwitterionic Amphiphile-Capped Silver Nanoparticles. <b>2016</b> , 32, 6948-55	4
543	One-Pot Synthesis of Icosahedral Silver Nanoparticles by Using a Photoassisted Tartrate Reduction Method under UV Light with a Wavelength of 310 nm. <b>2016</b> , 17, 2551-7	16
542	Optical response of silver clusters and their hollow shells from linear-response TDDFT. <b>2016</b> , 28, 214001	14
541	Influence of process parameters and scalability of the semi-batch production of functionalized silver nanoparticles. <b>2016</b> , 94, 1472-1485	8
540	Inverse Design of Metal Nanoparticles Morphology. <b>2016</b> , 3, 68-78	29
539	Green Synthesis of Metallic Nanoparticles Using Plant Compounds and Their Applications. 1-34	
538	Effect of various dispersing agents on the stability of silver microparticle dispersion and the formulation of uniform silver film by laser melting. <b>2016</b> , 28, 042004	2
537	Nanomaterials: Classification, Biological Synthesis and Characterization. <b>2016</b> , 31-71	16
536	Aligned silver nanowire-based transparent electrodes for engineering polarisation-selective optoelectronics. <b>2016</b> , 6, 19485	36
535	Preparation of Disperse Silver Particles by Chemical Reduction. <b>2016</b> , 90, 848-855	7
534	Nanostructured silver materials for noninvasive medical diagnostics by surface-enhanced Raman spectroscopy. <b>2016</b> , 26, 177-186	20
533	Synthesis and mechanism of template-free growth of silver nanowires via syringes. <b>2016</b> , 31, 109-116	5

532	Green synthesis of silver nanoparticles using Terminalia cuneata and its catalytic action in reduction of direct yellow-12 dye. <b>2016</b> , 161, 122-9	110
531	Impact of As-Synthesized Ligands and Low-Oxygen Conditions on Silver Nanoparticle Surface Functionalization. <b>2016</b> , 32, 3820-6	13
530	Silver nanowire-carbon fiber cloth nanocomposites synthesized by UV curing adhesive for electrochemical point-of-use water disinfection. <b>2016</b> , 154, 537-545	29
529	Role of capping agents in controlling silver nanoparticles size, antibacterial activity and potential application as optical hydrogen peroxide sensor. <b>2016</b> , 6, 36171-36179	114
528	Rheology of cubic particles suspended in a Newtonian fluid. <b>2016</b> , 12, 4654-65	26
527	Applications of plant terpenoids in the synthesis of colloidal silver nanoparticles. <b>2016</b> , 234, 132-141	99
526	Nanosilver rainbow: a rapid and facile method to tune different colours of nanosilver through the controlled synthesis of stable spherical silver nanoparticles. <b>2016</b> , 6, 48792-48799	21
525	On the size-dependent elasticity of penta-twinned silver nanowires. <b>2016</b> , 8, 177-183	31
524	Size and morphology controlled NiSe nanoparticles as efficient catalyst for the reduction reactions. <b>2016</b> , 244, 84-92	11
523	Recycling valuable silver from waste generated in diverse nanotemplate reactions. <b>2016</b> , 59, 538-546	5
522	Solid-liquid-liquid extraction as an approach to the sensitive detection of a hydrophobic pollutant through surface-enhanced Raman spectroscopy. <b>2016</b> , 87, 116-122	5
521	Destructive effect of solar light on morphology of colloidal silver nanocubes. <b>2016</b> , 78, 577-585	2
520	A versatile method to prepare size- and shape-controlled copper nanocubes using an aqueous phase green synthesis. <b>2016</b> , 6, 91949-91955	11
519	Multifunctions of Net Surface Charge in the Reaction on a Single Nanoparticle. <b>2016</b> , 120, 16608-16616	5
518	Polyelectrolyte assisted synthesis and enhanced catalysis of silver nanoparticles: Electrocatalytic reduction of hydrogen peroxide and catalytic reduction of 4-nitroaniline. <b>2016</b> , 424, 128-134	21
517	One-pot polyol synthesis of highly monodisperse short green silver nanorods. <b>2016</b> , 52, 10960-3	14
516	Differential biological activities of silver nanoparticles against Gram-negative and Gram-positive bacteria. <b>2016</b> , 193-227	6
515	Effect of Direct Contact on the Phytotoxicity of Silver Nanomaterials. <b>2016</b> , 50, 10370-10376	19

514	Size-controlled synthesis of silver nanoparticles from silver mirror reaction in toluene. <b>2016</b> , 11, 454-456	5
513	Catalytic Properties of AgPt Nanoshells as a Function of Size: Larger Outer Diameters Lead to Improved Performances. <b>2016</b> , 32, 9371-9	9
512	A new route for SERS analysis of intact erythrocytes using polydisperse silver nanoplatelets on biocompatible scaffolds. <b>2016</b> , 6, 85156-85164	9
511	Understanding of the major reactions in solution synthesis of functional nanomaterials. <b>2016</b> , 59, 938-996	75
510	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <b>2016</b> , 7, 11770	107
509	Au/Ag nanoparticle-deposited SiO <sub>2</sub> /TiO <sub>2</sub> porous supports with various localized surface plasmon resonance-related properties. <b>2016</b> , 124, 757-762	1
508	Varying the morphology of silver nanoparticles results in differential toxicity against micro-organisms, HaCaT keratinocytes and affects skin deposition. <b>2016</b> , 10, 1503-1514	38
507	High yield polyol synthesis of round- and sharp-end silver nanowires with high aspect ratio. <b>2016</b> , 184, 130-137	26
506	Plasmonic Nanowire-Enhanced Upconversion Luminescence for Anticounterfeit Devices. <b>2016</b> , 26, 7836-7846	56
505	Structural evolution of palladium nanoparticles and their electrocatalytic activity toward ethanol oxidation in alkaline solution. <b>2016</b> , 6, 91991-91998	7
504	Application of ferrocene-resorcinarene in silver nanoparticle synthesis. <b>2016</b> , 6, 87128-87133	7
503	Crystallinity-induced shape evolution of Pt-Ag nanosheets from branched nanocrystals. <b>2016</b> , 52, 10547-50	13
502	The role of chloride ions in rapid synthesis of ultra-long silver nanowires for flexible electrodes. <b>2016</b> , 3, 075007	15
501	Restructuring hollow Au/Ag nanostructures for improved SERS activity. <b>2016</b> , 3, 105012	1
500	Highly Efficient Silver-Cobalt Composite Nanotube Electrocatalysts for Favorable Oxygen Reduction Reaction. <b>2016</b> , 8, 32833-32841	36
499	Metallic Nanowire-Based Transparent Electrodes for Next Generation Flexible Devices: a Review. <b>2016</b> , 12, 6052-6075	353
498	Unique Crystallization of Fullerenes: Fullerene Flowers. <b>2016</b> , 6, 32205	29
497	Spontaneous growth of silver nanotrees dominated with (111) crystalline faces on monolithic activated carbon. <b>2016</b> , 6, 102528-102533	2



496	Antifungal nanomaterials. <b>2016</b> , 343-383	8
495	Rapid Seedless Synthesis of Gold Nanoplates with Microscaled Edge Length in a High Yield and Their Application in SERS. <b>2016</b> , 8, 328-335	15
494	Lighting up the gold nanoparticles quenched fluorescence by silver nanoparticles: a separation distance study. <b>2016</b> , 6, 58566-58572	19
493	"Hot spots" growth on single nanowire controlled by electric charge. <b>2016</b> , 8, 12029-34	6
492	On the Crystallography of Silver Nanoparticles with Different Shapes. <b>2016</b> , 16, 3677-3687	16
491	How a Nanostructure's Shape Affects its Lifetime in the Environment: Comparing a Silver Nanocube to a Nanoparticle When Dispersed in Aqueous Media. <b>2016</b> , 50, 7082-9	11
490	Cysteine sensing by plasmons of silver nanocubes. <b>2016</b> , 241, 110-114	10
489	Effect of LSP in Phosphor-Converted WLEDs by Application of Ag NPs With/Without Silica Shell. <b>2016</b> , 28, 1894-1897	
488	In Situ Silver Decoration on Graphene Oxide-Treated Thin Film Composite Forward Osmosis Membranes: Biocidal Properties and Regeneration Potential. <b>2016</b> , 3, 13-18	72
487	Quantifying the Nucleation and Growth Kinetics of Microwave Nanochemistry Enabled by in Situ High-Energy X-ray Scattering. <b>2016</b> , 16, 715-20	41
486	Quantifying the Sensitivity of Multipolar (Dipolar, Quadrupolar, and Octapolar) Surface Plasmon Resonances in Silver Nanoparticles: The Effect of Size, Composition, and Surface Coating. <b>2016</b> , 32, 290-300	80
485	Gold nanotriangles decorated with superparamagnetic iron oxide nanoparticles: a compositional and microstructural study. <b>2016</b> , 191, 215-227	16
484	Antimicrobial studies of metal and metal oxide nanoparticles. <b>2016</b> , 265-300	18
483	Synthesis of highly uniform Cu <sub>2</sub> O spheres by a two-step approach and their assembly to form photonic crystals with a brilliant color. <b>2016</b> , 8, 6155-61	26
482	Silver nanowires as catalytic cathodes for stabilizing lithium-oxygen batteries. <b>2016</b> , 311, 49-56	25
481	Silver nanoparticles with different morphologies: growth mechanism and stability. <b>2016</b> , 20, 58-66	3
480	Light trapping in mesoporous solar cells with plasmonic nanostructures. <b>2016</b> , 9, 1577-1601	262
479	Growth of Ag-nanoparticles in an aqueous solution and their antimicrobial activities against Gram positive, Gram negative bacterial strains and Candida fungus. <b>2016</b> , 39, 575-84	23

478	Ag doped Bi <sub>2</sub> O <sub>2.33</sub> microrods: photocatalytic activity investigation. <b>2016</b> , 6, 25409-25415		13
477	Rapid synthesis of long silver nanowires by controlling concentration of Cu <sup>2+</sup> ions. <i>Materials Letters</i> , <b>2016</b> , 172, 175-178	33	28
476	Syzygium aromaticum extract mediated, rapid and facile biogenic synthesis of shape-controlled (3D) silver nanocubes. <b>2016</b> , 39, 883-91		0
475	Improved galvanic replacement growth of Ag microstructures on Cu micro-grid for enhanced SERS detection of organic molecules. <b>2016</b> , 61, 97-104		11
474	Tuning the Plasmon of Metallic Nanostructures: From Silver Nanocubes Toward Gold Nanoboxes. <b>2016</b> , 11, 1011-1017		7
473	Shape effect on the antibacterial activity of silver nanoparticles synthesized via a microwave-assisted method. <b>2016</b> , 23, 4489-97		116
472	Performance of Ag/Al <sub>2</sub> O <sub>3</sub> catalysts in the liquid phase oxidation of glycerol Effect of preparation method and reaction conditions. <b>2016</b> , 6, 3182-3196		31
471	Well-dispersed ultrafine nitrogen-doped TiO <sub>2</sub> with polyvinylpyrrolidone (PVP) acted as N-source and stabilizer for water splitting. <b>2016</b> , 25, 1-9		22
470	Enhancing sensitivity of surface plasmon resonance biosensor by Ag nanocubes/chitosan composite for the detection of mouse IgG. <b>2016</b> , 146, 364-8		37
469	Fabrication of highly conductive stretchable textile with silver nanoparticles. <b>2016</b> , 86, 1041-1049		32
468	Size-tunable rhodium nanostructures for wavelength-tunable ultraviolet plasmonics. <b>2016</b> , 1, 75-80		41
467	Highly flexible, transparent, conductive and antibacterial films made of spin-coated silver nanowires and a protective ZnO layer. <b>2016</b> , 76, 88-94		34
466	Fabrication methods of plasmonic and magnetoplasmonic crystals: a review. <b>2017</b> , 132, 1		16
465	Supports matter: unraveling the role of charge transfer in the plasmonic catalytic activity of silver nanoparticles. <b>2017</b> , 5, 11720-11729		25
464	Biofunctionalization of Plasmonic Nanoparticles with Short Peptides Monitored by SERS. <b>2017</b> , 121, 967-974		5
463	A novel in situ silver/hyaluronan bio-nanocomposite fabrics for wound and chronic ulcer dressing: In vitro and in vivo evaluations. <b>2017</b> , 520, 241-253		52
462	Impacts of anions on the oxygen reduction reaction kinetics on platinum and palladium surfaces in alkaline solutions. <b>2017</b> , 19, 7631-7641		16
461	Metallic Nanoinks for Inkjet Printing of Conductive 2D and 3D Structures. <b>2017</b> , 119-160		8


460	Bimetallic Nanoparticles with Exotic Facet Structures via Iodide-Assisted Reduction of Palladium. <b>2017</b> , 34, 1600422	13
459	Synthesis, characterization and antibacterial study on the chitosan-functionalized Ag nanoparticles. <b>2017</b> , 76, 73-80	97
458	Mechanics of Crystalline Nanowires: An Experimental Perspective. <b>2017</b> , 69,	34
457	Polyol synthesis of ultrathin and high-aspect-ratio Ag nanowires for transparent conductive films. <i>Materials Letters</i> , <b>2017</b> , 194, 66-69	3-3 22
456	Nano gold decorated reduced graphene oxide wrapped polymethylmethacrylate for supercapacitor applications. <b>2017</b> , 7, 2137-2150	37
455	Parametric Study, Sensitivity Analysis, and Optimization of Polyol Synthesis of Silver Nanowires. <b>2017</b> , 6, P132-P137	14
454	Characterization of silver/carbon nanocomposite synthesized by non-electrolytic technique using surface plasma. <b>2017</b> , 196, 288-294	
453	Nanoantimicrobials in Food Industry. <b>2017</b> , 223-243	9
452	Insight into the contribution of rotating Brownian motion of nonspherical particle to the thermal conductivity enhancement of nanofluid. <b>2017</b> , 112, 61-71	12
451	Antimicrobial behavior and photostability of polyvinyl chloride/1-vinylimidazole nanocomposites loaded with silver or copper nanoparticles. <b>2017</b> , 23, E25-E33	11
450	Silver nanowires: Synthesis technologies, growth mechanism and multifunctional applications. <b>2017</b> , 223, 1-23	144
449	Peptide Microarray-Based Metal Enhanced Fluorescence Assay for Multiple Profiling of Matrix Metalloproteinases Activities. <b>2017</b> , 89, 6749-6757	21
448	Synthesis of spherical silver particles with micro/nanostructures at room temperature. <b>2017</b> , 4, 54-58	6
447	Plasmon-Mediated Surface Engineering of Silver Nanowires for Surface-Enhanced Raman Scattering. <b>2017</b> , 8, 2774-2779	26
446	Strong Improvement of Long-Term Chemical and Thermal Stability of Plasmonic Silver Nanoantennas and Films. <b>2017</b> , 13, 1700044	41
445	Silicone-oil-assisted synthesis of high-quality sodium niobate nanowires. <b>2017</b> , 19, 3553-3556	3
444	Biomedical applications of green synthesized Nobel metal nanoparticles. <b>2017</b> , 173, 150-164	77
443	Morphological changes from spherical silver nanoparticles to cubes after laser irradiation in acetone/water solutions via spontaneous atom transportation process. <b>2017</b> , 529, 33-37	11

442	Morphology Control of Ag Polyhedron Nanoparticles for Cost-Effective and Fast Solar Steam Generation. <b>2017</b> , 1, 1600023	54
441	Plasmonic nanoparticles and their analytical applications: A review. <b>2017</b> , 52, 774-820	53
440	Fabrication of branched nanostructures for CNT@Ag nano-hybrids: application in CO <sub>2</sub> gas detection. <b>2017</b> , 5, 4226-4235	17
439	Synthesis and Characterization of Pure Ni and Ni-Sn Intermetallic Nanoparticles. <b>2017</b> , 12, 142	11
438	Synthetic Chemistry of Nanomaterials. <b>2017</b> , 613-640	7
437	Effect of temperature on the synthesis of silver nanoparticles with polyethylene glycol: new insights into the reduction mechanism. <b>2017</b> , 19, 1	18
436	Morphological and Optical Evolution of Silver Nanoparticles on Sapphire (0001) Along With the Concurrent Influence of Diffusion, Ostwald's Ripening, and Sublimation. <b>2017</b> , 16, 321-332	10
435	Anisotropic noble metal nanoparticles: Synthesis, surface functionalization and applications in biosensing, bioimaging, drug delivery and theranostics. <b>2017</b> , 49, 45-65	63
434	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. <b>2017</b> , 129, 60-98	55
433	Mussel-Inspired Polydopamine Functionalized Plasmonic Nanocomposites for Single-Particle Catalysis. <b>2017</b> , 9, 3016-3023	27
432	Synthesis of Ag-Cu and Ag-Cu <sub>2</sub> O alloy nanoparticles using a seed-mediated polyol process, thermodynamic and kinetic aspects. <b>2017</b> , 189, 44-49	11
431	Unequal growth of twinned variants in boron-rich fivefold twinned nanowires. <b>2017</b> , 458, 149-153	
430	Seed-Mediated Growth of Colloidal Metal Nanocrystals. <b>2017</b> , 56, 60-95	428
429	Theory of the thermodynamic influence of solution-phase additives in shape-controlled nanocrystal synthesis. <b>2017</b> , 9, 15635-15642	25
428	Use of silver nanoparticles in spectrophotometry. <b>2017</b> , 72, 1138-1154	25
427	Green Synthesis of Triangular Au Nanoplates: Role of Small Molecules Present in Bael Gum. <b>2017</b> , 5, 10317-10326	26
426	Photo-mediated Seedless Synthesis of Silver Nanoparticles Using CW-Laser and Sunlight Irradiation. <b>2017</b> , 23, 1902-1903	3
425	Multi-branch Au/Ag bimetallic core-shell-satellite nanoparticles as a versatile SERS substrate: the effect of Au branches in a mesoporous silica interlayer. <b>2017</b> , 5, 12678-12687	27

424	Controllable preparation and mechanism of nano-silver mediated by the microemulsion system of the clove oil. <b>2017</b> , 7, 3130-3136	27
423	Nanostructures as Antimicrobial Therapeutics. <b>2017</b> , 29-59	2
422	Silver Nanostructures in Medicine: Synthesis and Biological Activity. <b>2017</b> , 357-382	
421	Flexible transparent electrodes based on silver nanowires synthesized via a simple method. <b>2017</b> , 4, 170756	7
420	Controlled synthesis of silver nanoplates and nanoparticles by reducing silver nitrate with hydroxylamine hydrochloride. <b>2017</b> , 36, 799-805	10
419	Kinetics and mechanisms of the UV-radiation-assisted formation of gold nanoparticles in HAuCl <sub>4</sub> -doped chitosan solutions. <b>2017</b> , 62, 1228-1232	4
418	Synthesis and characterization of Ag-Protoporphyrin nano structures using mixed co-polymer method. <b>2017</b> , 1, 49-54	4
417	Decorating of Ag and CuO on Cu Nanoparticles for Enhanced High Catalytic Activity to the Degradation of Organic Pollutants. <b>2017</b> , 33, 7606-7614	74
416	The synthesis and characterisation of highly stable and reproducible selenium nanoparticles. <b>2017</b> , 47, 1568-1576	39
415	Controlling the size of silver nanowires through one-pot polyol method with trace halide and its effect on kinetic process. <b>2017</b> , 4, 075052	5
414	Study on the interactions of Ag nanoparticles with low molecular weight organic matter using first principles calculations. <b>2017</b> , 200, 270-279	7
413	Photochemical formation of chitosan-stabilized near-infrared-absorbing silver Nanoworms: A "Green" synthetic strategy and activity on Gram-negative pathogenic bacteria. <b>2017</b> , 507, 437-452	11
412	Controlling the Deposition of Pd on Au Nanocages: Outer Surface Only versus Both Outer and Inner Surfaces. <b>2017</b> , 17, 5682-5687	8
411	Acid/base treatment of monolithic activated carbon for coating silver with tunable morphology. <b>2017</b> , 32, 760-765	4
410	Surface-Plasmon-Mediated Hydrogenation of Carbonyls Catalyzed by Silver Nanocubes under Visible Light. <b>2017</b> , 7, 6128-6133	67
409	Strategies to Improve the Functionality of Starch-Based Films. <b>2017</b> , 311-337	1
408	Engineering of Highly Active Silver Nanoparticles for Oxygen Electroreduction via Simultaneous Control over Their Shape and Size. <b>2017</b> , 1, 1700117	10
407	Polyhedral gold nanocrystals/polyelectrolyte composite film: One-pot synthesis via interfacial liquid plasma polymerization. <b>2017</b> , 153, 198-208	2

406	Size crystallographic effects for silver and gold nanoparticles dispersed in a biopolymer matrix. <b>2017</b> , 87, 2369-2375	5
405	Enhancement in kinetics of the oxygen reduction on a silver catalyst by introduction of interlaces and defect-rich facets. <b>2017</b> , 5, 15390-15394	18
404	Green synthesis of multi-metallic nanocubes. <b>2017</b> , 7, 35111-35118	14
403	Opportunities and Challenges in the Synthesis, Characterization, and Catalytic Properties of Controlled Nanostructures. <b>2017</b> , 177, 1-56	0
402	Fabrication of 3D vertically aligned silver nanoplates on nickel foam-graphene substrate by a novel electrodeposition with sonication for efficient supercapacitors. <b>2017</b> , 311, 359-366	30
401	Biosynthesis of silver nanoparticles using callus for inhibiting stem-end bacteria in cut carnation flowers. <b>2017</b> , 11, 185-192	7
400	Highly reproducible polyol synthesis for silver nanocubes. <b>2017</b> , 469, 48-53	14
399	Chemical Synthesis of Copper Nanospheres and Nanocubes and Their Antibacterial Activity Against Escherichia coli and Enterococcus sp.. <b>2017</b> , 30, 29-35	7
398	Galvanic Replacement of the Liquid Metal Galinstan. <b>2017</b> , 139, 1464-1471	86
397	Facile synthesis of 2D silver nanocrystals by a gas-liquid interface technique. <b>2017</b> , 27, 634-636	9
396	Methods for Preparation of Metal Nanoparticles. <b>2017</b> , 15-31	3
395	Polyol synthesis of silver nanopolyhedrons and transmittance property. <b>2017</b> , 521, 61-70	1
394	THE ANTIMICROBIAL EFFECTS OF SILVER NANOPARTICLES ON THE MULTIDRUG-RESISTANT KLEBSIELLA CLINICAL ISOLATES. <b>2017</b> , 8, 77-83	
393	Third order nonlinear optics in Ag nanocubes: local and nonlocal optical responses as a function of excitation wavelength and particle size. <b>2017</b> , 25, 31064-31076	11
392	Spectroscopic ellipsometry study of silver nanospheres and nanocubes in thin film layers. <b>2017</b> , 7, 4241	9
391	Biological activity of green-synthesized silver nanoparticles depends on the applied natural extracts: a comprehensive study. <b>2017</b> , 12, 871-883	85
390	Review of SERS Substrates for Chemical Sensing. <b>2017</b> , 7,	310
389	Nanoarchitectonic Metals. <b>2017</b> , 135-171	11

388	Rapid Biosynthesis of Silver Nanoparticles Based on Flocculation and Reduction of an Exopolysaccharide from <i>Arthrobacter</i> sp. B4: Its Antimicrobial Activity and Phytotoxicity. <b>2017</b> , 2017, 1-8	26
387	Electrochemical Survey of Silver Nanoparticles-Lignosulfonate Formation and their Assessment in the Electrocatalytic Oxidation of P-Nitrophenol. <b>2017</b> , 13,	6
386	Biomimetic synthesis of silver nanoparticles from and their potential anticancer activity against human breast cancer cells. <b>2017</b> , 11, 965-972	95
385	COMPARATIVE ANALYSIS OF METAL NANOPARTICLES SYNTHESIZED FROM HIBISCUS ROSA SINESIS AND THEIR ANTIBACTERIAL ACTIVITY ESTIMATION AGAINST NINE PATHOGENIC BACTERIA. <b>2017</b> , 10, 323	3
384	Comprehensive Supramolecular Chemistry II: Facet Control in Nanocrystal Growth. <b>2017</b> , 129-156	
383	Water soluble polymer based hybrid nanocomposites. <b>2017</b> , 71-88	
382	The role of ligands in coinage-metal nanoparticles for electronics. <b>2017</b> , 8, 2625-2639	14
381	Multifunctional nitrogen sulfur co-doped reduced graphene oxide [Ag nano hybrids (sphere, cube and wire) for nonlinear optical and SERS applications. <b>2018</b> , 132, 380-393	31
380	Progress in the synthesis of Ag nanoparticles having manifold geometric forms. <b>2018</b> , 38, 21-42	3
379	Facile synthesis of urchin-like RuCu and hollow RuCuMo nanoparticles and preliminary insight to their formation process by cyclic voltammetry.. <b>2018</b> , 8, 14138-14143	2
378	Theoretical Perspectives on the Influence of Solution-Phase Additives in Shape-Controlled Nanocrystal Synthesis. <b>2018</b> , 122, 18785-18794	17
377	Enhanced photocatalytic H <sub>2</sub> production activity of Ag-doped Bi <sub>2</sub> WO <sub>6</sub> -graphene based photocatalysts. <b>2018</b> , 43, 11345-11354	34
376	Inkjet-Based Fabrication Process with Control over the Morphology of SERS-Active Silver Nanostructures. <b>2018</b> , 57, 5250-5258	6
375	Controlling the size of silver nanowires produced by a tetrabutylammonium dichlorobromide salt-based polyol process: Kinetics of silver crystal growth. <b>2018</b> , 8, 025303	6
374	Carboxymethyl cellulose macromolecules as generator of anisotropic nanogold for catalytic performance. <b>2018</b> , 111, 999-1009	50
373	Green synthesis of micron-sized silver flakes and their application in conductive ink. <b>2018</b> , 53, 6424-6432	7
372	Synthesis and antimicrobial effects of highly dispersed, cellulose-stabilized silver/cellulose nanocomposites.. <b>2018</b> , 8, 3646-3656	16
371	Shape-Dependent Dissolution and Cellular Uptake of Silver Nanoparticles. <b>2018</b> , 34, 1506-1519	43

370	Freestanding and flexible electrode: Heterostructured Ag/C nanofiber network with ultra high conductivity. <b>2018</b> , 735, 2012-2021	1
369	Nanosecond nonlinear optical and optical limiting properties of hollow gold nanocages. <b>2018</b> , 124, 1	19
368	Antimicrobial effect of silver nanoparticles (AgNPs) and their mechanism  mini review. <b>2018</b> , 13, 277-280	31
367	Density gradient ultracentrifugation for colloidal nanostructures separation and investigation. <b>2018</b> , 63, 645-662	27
366	Plasmon multiwavelength-sensitized luminescence enhancement of highly transparent Ag/YVO4:Eu3+/PMMA film. <b>2018</b> , 200, 158-163	10
365	Seedless synthesis and efficient recyclable catalytic activity of Ag@Fe nanocomposites towards methyl orange. <b>2018</b> , 8, 255-271	15
364	Smaller than a Breadbox: Scale and Natural Kinds. <b>2018</b> , 69, 1-23	14
363	Accumulation and interparticle connections of triangular Ag-coated Au nanoprisms by oil-coating method for surface-enhanced Raman scattering applications. <b>2018</b> , 435, 687-698	5
362	Synthesis, characterization, mechanistic studies and antimicrobial efficacy of biomolecule capped and pH modulated silver nanoparticles. <b>2018</b> , 249, 1145-1150	21
361	Elucidating the Role of AgCl in the Nucleation and Growth of Silver Nanoparticles in Ethylene Glycol. <b>2018</b> , 18, 324-330	13
360	A facile single-step synthesis of polyvinylpyrrolidone-silver nanocomposites using a conventional spray dryer. <b>2018</b> , 29, 035606	
359	Differential Wavevector Distribution of Surface-Enhanced Raman Scattering and Fluorescence in a Film-Coupled Plasmonic Nanowire Cavity. <b>2018</b> , 18, 650-655	24
358	Green Synthesis of Silver Nanoparticles and their Antifungal Properties. <b>2018</b> , 8, 254-263	15
357	Wet Chemical Synthesis Methods. <b>2018</b> , 43-101	2
356	Comparative biological effects of spherical noble metal nanoparticles (Rh, Pd, Ag, Pt, Au) with 4-8 nm diameter. <b>2018</b> , 9, 2763-2774	13
355	Inorganic Nanoparticles for Cancer Therapy: A Transition from Lab to Clinic. <b>2018</b> , 25, 4269-4303	96
354	Nanotechnology-enabled materials for hemostatic and anti-infection treatments in orthopedic surgery. <b>2018</b> , 13, 8325-8338	18
353	Investigation on the Nucleation Stage of Palladium Nanoparticles Using a Microfluidic Droplet Generator Integrated with In Situ Sol-Gel Quencher. <b>2018</b> , 14, e1802851	3



352	Stabilization of Silver Nanoparticles with a Dithiocarbamate Ligand and Formation of Nanocomposites by Combination with Polythiophene Derivative Nanoparticles. <b>2018</b> , 2018, 1-9	5
351	Exceptionally stable silver nanoparticles synthesized by laser ablation in alcoholic organic solvent. <b>2018</b> , 559, 148-158	24
350	Multimetallic Hollow Mesoporous Nanospheres with Synergistically Structural and Compositional Effects for Highly Efficient Ethanol Electrooxidation. <b>2018</b> , 4, 1412-1419	69
349	Silver nanoparticles as antimicrobial therapeutics: current perspectives and future challenges. <b>2018</b> , 8, 411	39
348	Measurement of the surface hydrophobicity of engineered nanoparticles using an atomic force microscope. <b>2018</b> , 20, 24434-24443	21
347	Silver nanoparticles stabilised with cationic single-chain surfactants. Structure-physical properties-biological activity relationship study. <b>2018</b> , 272, 60-72	30
346	Controllable corrosion-assisted fabrication of Au-Ag alloyed hollow nanocrystals for highly efficient and environmentally-stable SERS substrates. <b>2018</b> , 29, 455604	5
345	Advanced Concept of Green Synthesis of Metallic Nanoparticles by Reducing Phytochemicals. <b>2018</b> , 17-36	5
344	Synthesis of Silver Colloids with a Homemade Light Source. <b>2018</b> , 29, 719-724	7
343	Mechanism and modeling of poly[vinylpyrrolidone] (PVP) facilitated synthesis of silver nanoplates. <b>2018</b> , 20, 15507-15517	8
342	The effect of silver on the acidic ferric sulfate leaching of primary copper sulfides under recycle solution conditions observed in heap leaching. Part 2: Synergistic additives. <b>2018</b> , 179, 1-7	5
341	Solvent Effects on Molecular Adsorption on Ag Surfaces: Polyvinylpyrrolidone Oligomers. <b>2018</b> , 122, 14566-14573	14
340	Green Synthesis of Metal and Metal Oxide Nanoparticles and Their Effect on the Unicellular Alga <i>Chlamydomonas reinhardtii</i> . <b>2018</b> , 13, 159	56
339	Engineering Morphologies of Cobalt Pyrophosphates Nanostructures toward Greatly Enhanced Electrocatalytic Performance of Oxygen Evolution Reaction. <b>2018</b> , 14, e1801068	31
338	Comprehensive Synthesis Study of Well-Dispersed and Solution-Processed Metal Nanowires for Transparent Heaters. <b>2018</b> , 2018, 1-13	9
337	On the measurement of relaxation times of acoustic vibrations in metal nanowires. <b>2018</b> , 20, 17687-17693	19
336	The influences of polyol process parameters on the optoelectronic characteristics of AgNWs-based flexible electrodes and their application in ITO-free polymer solar cells. <b>2018</b> , 62, 621-629	18
335	Morphological Growth and Theoretical Understanding of Gold and Other Noble Metal Nanoplates. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15589-15595	4.8 8

- 334 A novel strategy for rapid detection of bacteria in water by the combination of three-dimensional surface-enhanced Raman scattering (3D SERS) and laser induced breakdown spectroscopy (LIBS). **2018**, 1043, 64-71 33
- 333 Scale-Up Technologies for Advanced Nanomaterials for Green Energy. **2018**, 433-455 9
- 332 Two-Dimensional Metal Nanomaterials: Synthesis, Properties, and Applications. **2018**, 118, 6409-6455 467
- 331 Preparation of Ag nanoparticles using hydrogen peroxide as a reducing agent. **2018**, 42, 14493-14501 19
- 330 Recent advances in the rational synthesis and self-assembly of anisotropic plasmonic nanoparticles. **2018**, 90, 1393-1407 19
- 329 Surface-enhanced Raman spectroscopy in modern chemical analysis: advances and prospects. **2018**, 87, 741-770 27
- 328 Synthesis of Nanoparticles. **2018**, 392-429 8
- 327 Synthesis of Clean Cabbagelike (111) Faceted Silver Crystals for Efficient Surface-Enhanced Raman Scattering Sensing of Papaverine. **2018**, 90, 9805-9812 19
- 326 Nanosilver: new ageless and versatile biomedical therapeutic scaffold. **2018**, 13, 733-762 110
- 325 Ethanol-Mediated 2D Growth of CuO Nanoarchitectures on Nanoporous Cu Templates in Anhydrous Ethanol. **2017**, 8, 12
- 324 Recent Development in ITO-free Flexible Polymer Solar Cells. **2017**, 10, 37
- 323 Synthesis and characterization of size-controlled silver nanowires. **2018**, 3, 0
- 322 Dependence of physical parameters on the size of silver nano particles forming composites with a nematic liquid crystalline material. **2018**, 268, 403-409 18
- 321 Size and shape dependency of the surface energy of metallic nanoparticles: unifying the atomic and thermodynamic approaches. **2018**, 20, 20575-20587 40
- 320 Atomic Force Microscopy Study of the Influence of the Synthesis Conditions on the Single-Crystal Surface of Interdigitated Metal-Organic Frameworks. **2018**, 19, 2134-2138 6
- 319 Silver Composite Materials and Food Packaging. **2018**, 123-151 3
- 318 Hierarchically structured 2D silver sheets with fractal network. **2018**, 4, 121-128 5
- 317 Blended morphologies of plasmonic nanofluids for direct absorption applications. **2018**, 229, 505-521 38

316	γRadiation induced synthesis of silver nanoparticles in aqueous poly (N-vinylpyrrolidone) solution. <b>2018</b> , 556, 148-156		11
315	Dynamics of silver nanoparticles at the solution/biofilm/mineral interface. <b>2018</b> , 5, 2394-2405		8
314	Focused-ion-beam-enabled electroless growth of gold nanoparticles on silicon. <b>2018</b> , 126, 614-624		1
313	Halide-Directed Synthesis of Square Prismatic Ag Nanocrystals by the Polyol Method. <b>2018</b> , 30, 4617-4623		13
312	The polyol process: a unique method for easy access to metal nanoparticles with tailored sizes, shapes and compositions. <b>2018</b> , 47, 5187-5233		237
311	Nanostructured thin films and nanocoatings. <b>2018</b> , 533-552		0
310	Synthesis of Colloidal Metal Nanocrystals: A Comprehensive Review on the Reductants. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 16944-16963	4.8	93
309	3D-assembled Ag nanowires for use in plasmon-enhanced spectroscopic sensors. <b>2019</b> , 54, 325-347		9
308	Cellular proliferation/cytotoxicity and antimicrobial potentials of green synthesized silver nanoparticles (AgNPs) using. <b>2019</b> , 26, 1689-1694		33
307	Preparation and properties of peroxide prevulcanized natural rubber/Ag nanocomposites: effect of AgNO <sub>3</sub> adding sequence on mechanical and antimicrobial properties. <b>2019</b> , 26, 233-246		1
306	High performance of Pd and PdAg with well-defined facets in direct ethylene glycol microfluidic fuel cells. <b>2019</b> , 320, 134622		19
305	Plasmonic nanofluids for high photothermal conversion efficiency in direct absorption solar collectors: Fundamentals and applications. <b>2019</b> , 201, 110084		37
304	Incubation period induced biogenic synthesis of PEG enhanced Moringa oleifera silver nanocapsules and its antibacterial activity. <b>2019</b> , 26, 1		37
303	Synthesis of Ag nanoparticles under a contact of water solution with silver(I)chloride biopolymer matrix. <b>2019</b> , 291, 111354		5
302	Synthesis of silver microfibers with ultrahigh aspect ratio by galvanic replacement reaction. <b>2019</b> , 237, 121872		2
301	Stabilization of Au-Ag Nanoalloys with Polyvinylpyrrolidone (PVP) as Capping Agent. <b>2019</b> , 1191, 012010		1
300	Solvodynamic Printing As A High Resolution Printing Method. <b>2019</b> , 9, 10766		4
299	Etching-Assisted Route to Heterophase Au Nanowires with Multiple Types of Active Surface Sites for Silane Oxidation. <b>2019</b> , 19, 6363-6369		11

298	Controlled Growth of Silver Nanoparticle Seeds Using Green Solvents. <b>2019</b> , 19, 4332-4339	4
297	An Assessment of the Effect of Green Synthesized Silver Nanoparticles Using Sage Leaves ( <i>L.</i> ) on Germinated Plants of Maize ( <i>L.</i> ). <b>2019</b> , 9,	21
296	Nonradiative Excited-State Decay via Conical Intersection in Graphene Nanostructures. <b>2019</b> , 20, 2754-2758	4
295	Two-grid methods for semi-linear elliptic interface problems by immersed finite element methods. <b>2019</b> , 40, 1657-1676	10
294	Effect of pH on the Environmentally Friendly Fabrication of Silver Nanoparticles Using Rambutan Peel Extract. <b>2019</b> , 824, 149-155	2
293	Bio-mediated synthesis of 5-FU based nanoparticles employing orange fruit juice: a novel drug delivery system to treat skin fibrosarcoma in model animals. <b>2019</b> , 9, 12288	12
292	Aromatic thiol-modulated Ag overgrowth on gold nanoparticles: tracking the thiol's position in the core-shell nanoparticles. <b>2019</b> , 11, 17471-17477	8
291	Magic Mathematical Relationships for Nanoclusters. <b>2019</b> , 14, 150	13
290	Water-mediated polyol synthesis of pencil-like sharp silver nanowires suitable for nonlinear plasmonics. <b>2019</b> , 55, 11630-11633	5
289	Elemental Silver Nanoparticles: Biosynthesis and Bio Applications. <b>2019</b> , 12,	17
288	Conductive nanomaterials for 2D and 3D printed flexible electronics. <b>2019</b> , 48, 1712-1740	199
287	PVP-templated highly luminescent copper nanoclusters for sensing trinitrophenol and living cell imaging. <b>2019</b> , 11, 1286-1294	39
286	Green synthesis of nanoparticles: A greener approach for a cleaner future. <b>2019</b> , 1-26	32
285	Revisiting the Polyol Synthesis of Silver Nanostructures: Role of Chloride in Nanocube Formation. <b>2019</b> , 13, 1849-1860	44
284	Silver Nanoparticles and Its Polymer Nanocomposites Synthesis, Optimization, Biomedical Usage, and Its Various Applications. <b>2019</b> , 331-373	14
283	Enhanced surface plasmon resonance (SPR) signals based on immobilization of core-shell nanoparticles incorporated boron nitride nanosheets: Development of molecularly imprinted SPR nanosensor for anticancer drug, etoposide. <b>2019</b> , 130, 293-298	60
282	The Effect of Poly(vinylpyrrolidone) (PVP) on the Au Catalyzed Reduction of pNitrophenol: The Fundamental Role of NaBH <sub>4</sub> .. <b>2019</b> , 4, 608-616	10
281	The effect of silver on the acidic ferric sulfate leaching of primary copper sulfides under recycle solution conditions observed in heap leaching. Part 3: Surface characterization. <b>2019</b> , 183, 130-141	2

280	Silver Nanowire-Templated Molecular Nanopatterning and Nanoparticle Assembly for Surface-Enhanced Raman Scattering. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10561-10565	4.8	9
279	Silver-Based Plasmonic Nanoparticles for and Their Use in Biosensing. <b>2019</b> , 9,		135
278	Introduction of copper ions to regulate silver nanostructures by galvanic displacement reaction. <b>2019</b> , 6, 095003		3
277	Light-Like Group Velocities and Long Lifetimes for Leaky Surface Plasmon Polaritons in Noble Metal Nanostripes. <b>2019</b> , 123, 15729-15737		4
276	WO <sub>3</sub> nanocubes for photoelectrochemical water-splitting applications. <b>2019</b> , 134, 149-156		15
275	Metal nanowire networks: Recent advances and challenges for new generation photovoltaics. <b>2019</b> , 13, 152-185		19
274	Synthesis and characterization of an antimicrobial textile by hexagon silver nanoparticles with a new capping agent via the polyol process. <b>2019</b> , 89, 5130-5143		3
273	Synthesis of Metallic Nanocrystals: From Noble Metals to Base Metals. <b>2019</b> , 12,		11
272	Synthesis of Ag <sub>3</sub> Sn Submicrometer Particles via an Adapted Polyol Process in View of Their Use As Die-Attach Material in Power Modules. <b>2019</b> , 48, 4637-4646		1
271	Surface microstructure and mechanical properties of Ti-6Al-4V/Ag nanocomposite prepared by FSP. <b>2019</b> , 153, 175-183		30
270	Using Polyvinylpyrrolidone and Citrate Ions To Modify the Stability of Ag NPs in Ethylene Glycol. <b>2019</b> , 123, 12444-12450		7
269	High-Yield Synthesis of Long Silver Nanowires via Chromic Chloride and a Stable Reaction Environment. <b>2019</b> , 2019, 1-8		2
268	Shape-dependent antimicrobial activities of silver nanoparticles. <b>2019</b> , 14, 2773-2780		82
267	Synthesis of Metallic and Metal Oxide Particles. <b>2019</b> , 3-27		2
266	The effect of silver on the acidic ferric sulfate leaching of primary copper sulfides under recycle solution conditions observed in heap leaching. Part 4: Semiconductor behaviour. <b>2019</b> , 186, 50-57		4
265	3D-structured assembly of RGO and Ag nanowires for enhanced microwave absorption performance epoxy composites. <b>2019</b> , 30, 10321-10331		7
264	Ultrathin PdAg single-crystalline nanowires enhance ethanol oxidation electrocatalysis. <b>2019</b> , 249, 116-125		83
263	Nanomaterials for molecular sensing. <b>2019</b> , 413-487		2

262	Electromagnetic plasmonic field of nanoparticles tune the band gap of two-dimensional semiconducting materials. <b>2019</b> , 7, 3675-3687	5
261	Fascinating Physic-Chemical Properties and Resourceful Applications of Selected Cadmium Nanomaterials. <b>2019</b> , 29, 1423-1438	10
260	Green approach for the biosynthesis of silver nanoparticles and its antibacterial and antitumor effect against osteoblast MG-63 and breast MCF-7 cancer cell lines. <b>2019</b> , 12, 100138	13
259	Silver nanoparticles produced by laser ablation for a study on the effect of SERS with low laser power on N719 dye and Rhodamine-B. <b>2019</b> , 4, 723-731	2
258	Effects of Reaction Temperature on the Yield and Morphology of Silver Nanowires Prepared by Solvothermal Method. <b>2019</b> , 239-245	
257	Eco-Friendly Method for Tailoring Biocompatible and Antimicrobial Surfaces of Poly-L-Lactic Acid. <b>2019</b> , 9,	8
256	Synthesis of hollow echinus-like Au@PdAgNSs decorated reduced graphene oxide as an excellent electrocatalyst for enhanced ethanol electrooxidation. <b>2019</b> , 789, 174-182	14
255	Nanoislands as plasmonic materials. <b>2019</b> , 11, 8651-8664	19
254	Tips and Tricks for the Surface Engineering of Well-Ordered Morphologically Driven Silver-Based Nanomaterials. <b>2019</b> , 8, 508-519	4
253	Ultra-sharp and surfactant-free silver nanowire for scanning tunneling microscopy and tip-enhanced Raman spectroscopy. <b>2019</b> , 11, 7790-7797	11
252	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. <b>2019</b> , 542, 370-378	18
251	Fabrication of Ag/AgBr/AgVO composites with high visible light photocatalytic performance.. <b>2019</b> , 9, 5100-5109	15
250	Inorganic and organic/inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. <b>2019</b> , 47-99	5
249	Structural evolution of Ag/BN hybrids via a polyol-assisted fabrication process and their catalytic activity in CO oxidation. <b>2019</b> , 9, 6460-6470	4
248	Electrochemical investigations of metal nanostructure growth with single crystals. <b>2019</b> , 11, 21709-21723	8
247	Silver nanofibers/ionic liquid nanocomposite based electrochemical sensor for detection of clonazepam via electrochemically amplified detection. <b>2019</b> , 145, 1185-1190	35
246	Elemental silver nano-sized crystals: various geometric forms and their specific growth parameters. <b>2019</b> , 25, 54-75	2
245	Design and realization of light absorbers using plasmonic nanoparticles. <b>2019</b> , 63, 1-22	17

244	Synthesis and characterization of stable silver nanoparticles, Ag-NPs: Discussion on the applications of Ag-NPs as antimicrobial agents. <b>2019</b> , 554, 21-30	28
243	Synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> /polyaniline nanotube composite as electrochemical sensor for uric acid detection. <b>2019</b> , 30, 384-392	19
242	Anisotropic Growth of Silver Nanoparticles Is Kinetically Controlled by Polyvinylpyrrolidone Binding. <b>2019</b> , 141, 4328-4337	46
241	Colloidal Nanocrystals as Building Blocks for Well-Defined Heterogeneous Catalysts. <b>2019</b> , 31, 576-596	44
240	Recent progress on jet printing of oxide-based thin film transistors. <b>2019</b> , 52, 143002	22
239	Ultrafast measurements of the dynamics of single nanostructures: a review. <b>2019</b> , 82, 016401	30
238	Moina macrocopa as a non-target aquatic organism for assessment of ecotoxicity of silver nanoparticles: Effect of size. <b>2019</b> , 219, 713-723	9
237	N-vinylpyrrolidone copolymers decorated with silver nanoparticles for biomedical applications. <b>2019</b> , 30, 336-343	6
236	Synthesis of silver nanoparticles with different shapes. <b>2019</b> , 12, 1823-1838	189
235	Ammonia sensing of silver nanoparticles synthesized using tannic acid combined with UV radiation: Effect of UV exposure time. <b>2019</b> , 31, 277-284	8
234	Decorating platinum on nitrogen-doped graphene sheets: Control of the platinum particle size distribution for improved photocatalytic H <sub>2</sub> generation. <b>2019</b> , 194, 85-93	24
233	Plasmonic and fluorescent sensors of metal ions in water based on biogenic gold nanoparticles. <b>2020</b> , 13, 1975-1985	15
232	Multifunctional nanocellulose/metal and metal oxide nanoparticle hybrid nanomaterials. <b>2020</b> , 60, 435-460	77
231	An updated review on therapeutic effects of nanoparticle-based formulations of saffron components (safranal, crocin, and crocetin). <b>2020</b> , 50, 47-58	19
230	High-efficiency extraction synthesis for high-purity copper nanowires and their applications in flexible transparent electrodes. <b>2020</b> , 2, 164-171	13
229	Overview of different carrier systems for advanced drug delivery. <b>2020</b> , 179-233	9
228	Synthesis of anisotropic AuCu alloy nanostructures and its application in SERS for detection of methylene blue. <b>2020</b> , 7, 015052	6
227	Plant Extracts Promoted Preparation of Silver and Gold Nanoparticles: A Systematic Review. <b>2020</b> , 15, 2030001	6

226	Polyol Synthesis of Ag/BN Nanohybrids and their Catalytic Stability in CO Oxidation Reaction. <b>2020</b> , 12, 1691-1698	5
225	Geometrical constraints on the bending deformation of Penta-twinned silver nanowires. <b>2020</b> , 185, 110-118	7
224	Adsorption and coadsorption of single and multiple natural organic matter on Ag (1 1 1) surface: A DFT-D study. <b>2020</b> , 505, 144609	6
223	Visible-light reduced silver nanoparticles' toxicity in Allium cepa test system. <b>2020</b> , 257, 113551	10
222	PtNi <sub>3</sub> Co concave nanocubes: synthesis and application in photocatalytic hydrogen generation. <b>2020</b> , 10, 113-123	7
221	Urchin-like ZnO-nanorod arrays templated growth of ordered hierarchical Ag/ZnO hybrid arrays for surface-enhanced Raman scattering. <b>2020</b> , 31, 165301	6
220	Concentration induced properties of silver nanoparticles and their antibacterial study. <b>2020</b> , 18, 100419	13
219	Hybridization between cellulose nanofibrils and faceted silver nanoparticles used with surface enhanced Raman scattering for trace dye detection. <b>2020</b> , 143, 85-92	14
218	Cu <sub>2</sub> O Nanowires Based Flexible Ionovoltaic Device for Droplet-Flow-Induced Electrical Energy Generation. <b>2020</b> , 3, 1253-1259	5
217	Wireless Monitoring Using a Stretchable and Transparent Sensor Sheet Containing Metal Nanowires. <b>2020</b> , 32, e1902684	34
216	Embedding ultrasmall Ag nanoclusters in Luria-Bertani extract via light irradiation for enhanced antibacterial activity. <b>2020</b> , 13, 203-208	28
215	Glycolic acid functionalized silver nanoparticles: A novel approach towards generation of effective antibacterial agent against skin infections. <b>2020</b> , 60, 102074	2
214	Molecular Dynamics Simulations Suggest a Possible Role for NO in the Polyol Synthesis of Silver Nanostructures. <b>2020</b> , 124, 24279-24288	1
213	In <sub>2</sub> Se <sub>3</sub> Nanocubes as High Current Density Cold Cathode Materials. <b>2020</b> , 3, 9749-9758	8
212	Preparation of Nanoparticles. <b>2020</b> ,	11
211	Effect of the Organic Functionality on the Synthesis and Antimicrobial Activity of Silver Nanoparticles. <b>2020</b> , 10, 2050002	3
210	Colorimetric Detection of Ammonia Using Synthesized Silver Nanoparticles from Durian Fruit Shell. <b>2020</b> , 2020, 1-11	0
209	Molecular weight of polyethylenimine-dependent transfection and selective antimicrobial activity of functional silver nanoparticles. <b>2020</b> , 35, 2405-2415	4



208	A Highly Sensitive and Selective Electrochemical Sensor for Pentachlorophenol Based on Reduced Graphite Oxide-Silver Nanocomposites. <b>2020</b> , 13, 2050-2058	10
207	Silver nanowires immobilized on gold-modified glassy carbon electrode for electrochemical quantification of atorvastatin. <b>2020</b> , 876, 114540	4
206	Synthesis of Functional Silver Nanoparticles and Microparticles with Modifiers and Evaluation of Their Antimicrobial, Anticancer, and Antioxidant Activity. <b>2020</b> , 11,	6
205	Quantifying Electrocatalytic Reduction of CO <sub>2</sub> on Twin Boundaries. <b>2020</b> , 6, 3007-3021	24
204	Synthesis and Characterization of Graphene-Silver Nanoparticle Hybrid Materials. <b>2020</b> , 13,	2
203	Advances in flexible electronics and electrochemical sensors using conducting nanomaterials: A review. <b>2020</b> , 156, 104944	23
202	Polymer-modified mesoporous silica microcubes (P@MSMCs) for the synergistic oxidative entrapment of Ag(i), Ti(iv), and Zn(ii) from natural river water. <b>2020</b> , 49, 8265-8273	
201	Application of Nanoparticles in Overcoming Different Environmental Stresses. <b>2020</b> , 635-654	1
200	The Role of Mixed Reaction Promoters in Polyol Synthesis of High Aspect Ratio Ag Nanowires for Transparent Conducting Electrodes. <b>2020</b> , 49, 4822-4829	1
199	An innovative hydrometallurgical process for the production of silver nanoparticles from spent silver oxide button cells. <b>2020</b> , 248, 117015	6
198	Green route to synthesize Zinc Oxide Nanoparticles using leaf extracts of Cassia fistula and Melia azadarach and their antibacterial potential. <b>2020</b> , 10, 9055	110
197	Cuprous Oxide Cubic Particles with Strong and Tunable Mie Resonances for Use as Nanoantennas. <b>2020</b> , 3, 6806-6815	7
196	Cocos nucifera Leaf Extract Mediated Green Synthesis of Silver Nanoparticles for Enhanced Antibacterial Activity. <b>2020</b> , 30, 3305-3316	18
195	Hybridizing Plasmonic Materials with 2D-Transition Metal Dichalcogenides toward Functional Applications. <b>2020</b> , 16, e1904271	49
194	Biogenic silver and silver oxide hybrid nanoparticles: a potential antimicrobial against multi drug-resistant Pseudomonas aeruginosa. <b>2020</b> , 44, 4935-4941	15
193	Beneficial Effect of Manganese(II) Ions on the Morphology of Polyol Synthesised Silver Nanowires. <b>2020</b> , 16, 264-275	0
192	Cyanobacteria: potential source of biofertilizer and synthesizer of metallic nanoparticles. <b>2020</b> , 351-367	
191	Advances and challenges in metallic nanomaterial synthesis and antibacterial applications. <b>2020</b> , 8, 4764-4777	37

190	The structural transition of bimetallic Ag-Au from core/shell to alloy and SERS application.. <b>2020</b> , 10, 24577-24594	13
189	Copper foam in situ loaded with precious metal nanoparticles as transmission SEIRAS substrate for rapid detection of dithiocarbamate pesticides. <b>2020</b> , 12, 3600-3607	1
188	Maillard Reaction-Controlled Synthesis of Ultrathin Silver Nanowires and Fabrication of Transparent Conductive Electrodes with Low Haze. <b>2020</b> , 59, 13572-13577	3
187	Simple and Fast High-Yield Synthesis of Silver Nanowires. <b>2020</b> , 20, 5759-5764	16
186	Synthesis of Palladium Nanodendrites Using a Mixture of Cationic and Anionic Surfactants. <b>2020</b> , 36, 1745-1753	9
185	An innovative, high-efficiency silver/silica nanocomposites for direct absorption concentrating solar thermal power. <b>2020</b> , 44, 9438-9453	9
184	Room temperature selective reduction of nitroarenes to azoxy compounds over Ni-TiO <sub>2</sub> catalyst. <b>2020</b> , 490, 110943	9
183	In situ synthesis of polyamidoamine/ $\beta$ -cyclodextrin/silver nanocomposites on polyester fabric tailoring drug delivery and antimicrobial properties. <b>2020</b> , 152, 104602	5
182	Green Chemistry Synthesis of Silver Nanoparticles and Their Potential Anticancer Effects. <b>2020</b> , 12,	78
181	FRET-based fluorometry assay for curcumin detecting using PVP-templated Cu NCs. <b>2021</b> , 223, 121741	6
180	Inorganic Nanomaterials for Photothermal-Based Cancer Theranostics. <b>2021</b> , 4, 2000207	5
179	Failing Forward: Stability of Transparent Electrodes Based on Metal Nanowire Networks. <b>2021</b> , 33, e2004356	25
178	Chemical Identity of Poly(-vinylpyrrolidone) End Groups Impact Shape Evolution During the Synthesis of Ag Nanostructures. <b>2021</b> , 143, 184-195	6
177	Recent improvements in enzyme-linked immunosorbent assays based on nanomaterials. <b>2021</b> , 223, 121722	30
176	Characterization of alginate-capped nanosilver by fractal and entropy analysis on its transmission electron microphotographs. <b>2021</b> , 140, 102963	
175	Recent advances and perspective on heterogeneous catalysis using metals and oxide nanocrystals. <b>2021</b> , 5, 151-222	7
174	Notes on useful materials and synthesis through various chemical solution techniques. <b>2021</b> , 29-78	1
173	Inorganic nanoparticle-based biosensors for point-of-care diagnostics. <b>2021</b> , 597-632	1

172	Adsorption of ethylenediamine on Cu surfaces: attributes of a successful capping molecule using first-principles calculations. <b>2021</b> , 13, 13529-13537	2
171	Silver Nanoparticles. <b>2021</b> , 440-457	
170	Silver nanoparticles as surface enhanced Raman scattering (SERS) substrates. <b>2021</b> ,	0
169	Synthesis methods for chalcogenides and chalcogenides-based nanomaterials for photocatalysis. <b>2021</b> , 105-134	
168	CHAPTER 1:Reducing Agents in Colloidal Nanoparticle Synthesis An Introduction. <b>2021</b> , 1-27	1
167	Recent advancements in coinage metal nanostructures and bio-applications. <b>2021</b> , 2, 1507-1529	13
166	Molecular dynamics simulations of the formation of Ag nanoparticles assisted by PVP. <b>2021</b> , 23, 6677-6684	3
165	Fibre electronics: towards scaled-up manufacturing of integrated e-textile systems. <b>2021</b> , 13, 12818-12847	9
164	Structural and optical studies of colloidal silver nano particles. <b>2021</b> , 43, 3780-3783	
163	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. <b>2021</b> , 50, 11293-11380	20
162	CHAPTER 3:Polyols as a Toolbox for the Preparation of Inorganic-based Nanostructures. <b>2021</b> , 51-72	1
161	Effect of nanofiller morphology on the electrical conductivity of polymer nanocomposites. <b>2021</b> , 2, 010019	3
160	Synthesis of silver nanowires in a two-phase system for biological applications. <b>2021</b> , 35, e6213	5
159	Influence of the molecular weight and concentration of PVP on the polyol synthesized silver nanoparticles. <b>2021</b> , 1762, 012032	
158	Green Silver and Gold Nanoparticles: Biological Synthesis Approaches and Potentials for Biomedical Applications. <b>2021</b> , 26,	46
157	Green Synthesis, Characterization, Enzyme Inhibition, Antimicrobial Potential, and Cytotoxic Activity of Plant Mediated Silver Nanoparticle Using Leaf and Root Extracts. <b>2021</b> , 11,	15
156	Synthesis of AgNWs Using High Molecular Weight PVP As a Capping Agent and Their Application in Conductive Thin Films. <b>2021</b> , 50, 2789-2799	2
155	Impact of Silver Nanoparticles Synthesized by Irradiated Polyvinylpyrrolidone on Spodoptera littoralis Nucleopolyhedrosis Virus Activity. <b>2021</b> , 29, 3364-3374	8

154	Silver Nanowire Synthesis and Strategies for Fabricating Transparent Conducting Electrodes. <b>2021</b> , 11,	9
153	Eco-friendly synthesis of silver nanoparticles and its biological evaluation using Tamarix aphylla leaves extract. 1-8	1
152	Wavelength-Dependent Optical Nonlinear Absorption of Au-Ag Nanoparticles. <b>2021</b> , 11, 3072	1
151	An efficient colorimetric inspection of ammonia using silver nanoparticles synthesized by 3-(1-(2-(2,4-dinitrophenyl)hydrazono)ethyl)-1H-indole as chemo-sensors in water environment. <b>2021</b> , 34, e4205	0
150	Ultrasensitive detection of disinfection byproduct trichloroacetamide in drinking water with Ag nanoprism@MoS <sub>2</sub> heterostructure-based electrochemical sensor. <b>2021</b> , 332, 129526	8
149	Dispersibility-tailored conductive epoxy nanocomposites with silica nanoparticle-embedded silver nanowires. <b>2021</b> , 96, 107111	5
148	Synthesis of Graphene oxide supported with Bimetallic nanoparticles and its Application. <b>2021</b> , 2665-2670	
147	A review on nanostructured silver as a basic ingredient in medicine: physicochemical parameters and characterization. <b>2021</b> , 12, 440-461	1
146	Advanced Materials and Assembly Strategies for Wearable Biosensors: A Review.	1
145	Dry Gongronema latifolium aqueous extract mediated silver nanoparticles by one-step in-situ biosynthesis for antibacterial activities. <b>2021</b> , 24, 101116	7
144	Hollow flower-like nickel particles as the promoter of ammonium perchlorate-based solid propellant. <b>2021</b> , 552, 149506	9
143	Quantitative understanding of nucleation and growth kinetics of silver nanowires. <b>2021</b> , 414, 128711	4
142	Bulk Nanostructured Metal from Multiply-Twinned Nanowires. <b>2021</b> , 21, 5627-5632	
141	Facile green silver nanoparticles synthesis to promote the antibacterial activity of cellulosic fabric. <b>2021</b> , 99, 224-234	9
140	Growing Anisotropic Silver Nanostructures from Copper-Coated Fibrous Silica and Its Application as Plasmonic Photocatalyst. 1	
139	Synthesis of silver nanoplates using regenerated watermelon rind and their application. <b>2021</b> ,	1
138	Advanced Large-Scale Nanofabrication Route for Ultrasensitive SERS Platforms Based on Precisely Shaped Gold Nanostructures. <b>2021</b> , 11,	0
137	Systematic Review on Biosynthesis of Silver Nanoparticles and Antibacterial Activities: Application and Theoretical Perspectives. <b>2021</b> , 26,	8

136	Formation of Au nanostructures on the surfaces of annealed TiO <sub>2</sub> thin films. <b>2021</b> , 25, 101239	3
135	Upconverting BiYO <sub>3</sub> nanophosphors in DSSCs applications. <b>2021</b> , 140, 107087	9
134	Green synthesis of zinc oxide nanoparticles (ZnO NPs) using <i>Syzygium cumini</i> : Potential multifaceted applications on antioxidants, cytotoxic and as nanonutrient for the growth of <i>Sesamum indicum</i> . <b>2021</b> , 23, 101653	11
133	Rapid synthesis of silver nanowires during the polyol-microwave method and COMSOL multiphysics simulation of electromagnetic heating. <b>2021</b> , 32, 2916-2928	3
132	Silver Nanoparticles: Properties, Synthesis, Characterization, Applications and Future Trends.	1
131	Dimensions controllable synthesis of silver Nano-morphologies via moderate one step methodology. <b>2021</b> , 32, 3388-3394	1
130	High-performance detection of p-nitroaniline on defect-graphene SERS substrate utilizing molecular imprinting technique. <b>2021</b> , 168, 106536	3
129	Photoinduced Electron and Energy Transfer Pathways and Photocatalytic Mechanisms in Hybrid Plasmonic Photocatalysis. 2101128	6
128	Alpha-Lipoic Acid Prevents Side Effects of Therapeutic Nanosilver without Compromising Cytotoxicity in Experimental Pancreatic Cancer. <b>2021</b> , 13,	0
127	Multifunctional Silver Nanoparticles: Synthesis and Applications.	
126	Recent advances on structural and functional aspects of multi-dimensional nanoparticles employed for electrochemically sensing bio-molecules of medical importance. <b>2021</b> , 272, 115356	3
125	Progress, challenges and future prospects of plasmonic nanofluid based direct absorption solar collectors [A state-of-the-art review. <b>2021</b> , 227, 365-425	11
124	Metal grid technologies for flexible transparent conductors in large-area optoelectronics. <b>2021</b> , 31, 105-121	4
123	Chemical-etched silver nanowires with tunable rough shape for surface enhanced Raman scattering. <b>2021</b> , 630, 127521	0
122	Rapid and sensitive detection of Rhodamine B in food using the plasmonic silver nanocube-based sensor as SERS active substrate. <b>2021</b> , 263, 120179	3
121	Interaction of silver nanoparticles with the aquatic fern <i>Azolla filiculoides</i> : root structure, particle distribution, and silver accumulation. <b>2021</b> , 23, 1	2
120	Biosynthesized silver nanoparticles and their therapeutic applications. <b>2021</b> , 547-584	3
119	Green synthesis of silver nanoparticles using sugarcane leaves extract for colorimetric detection of ammonia and hydrogen peroxide. <b>2021</b> , 47, 1269-1283	9

118	Phytogetic synthesis of silver nanoparticles: mechanisms and applications. <b>2021</b> , 167-185	
117	Electrophilicity in heterogeneous catalysis: role of surface and sub-surface modification. <b>2021</b> , 11, 4315-4326	5
116	Polyol Method for Synthesis of Nanomaterials. <b>2021</b> , 293-332	1
115	Optical Properties and Applications of Shape-Controlled Metal Nanostructures. <b>2012</b> , 205-238	2
114	Metallic Nanostructures: Fundamentals. <b>2015</b> , 1-47	2
113	Nanoscale Materials: Fundamentals and Emergent Properties. <b>2017</b> , 7-28	1
112	Reduction of Metal Ions in Polymer Matrices as a Condensation Method of Nanocomposite Synthesis. <b>2014</b> , 13-89	7
111	Biological Synthesis of Nanoparticles Using Bacteria. <b>2019</b> , 37-51	6
110	Understanding the formation of multiply twinned structure in decahedral intermetallic nanoparticles. <b>2019</b> , 6, 447-453	10
109	Environmentally responsive polymeric "intelligent" materials: the ideal components of non-mechanical valves that control flow in microfluidic systems. <b>2010</b> , 27, 1-14	4
108	Development of Silver Nanoparticles/Gelatin Thermoresponsive Nanocomposites: Characterization and Antimicrobial Activity. <b>2019</b> , 25, 4121-4129	7
107	Synthesis of Magnetic Wires from Polyol-Derived Fe-Glycolate Wires. <b>2020</b> , 10,	0
106	Citrate Stabilized Silver Nanoparticles. <b>2011</b> , 3, 15-28	10
105	Synthesis of Monodisperse Selenium Nanospheres and Self-assembled Monolayers Using Poly(vinyl pyrrolidone) as Dual Reductant/colloid Stabilizer. <b>2008</b> , 29, 689-692	11
104	Energy loss of surface plasmon polaritons on Ag nanowire waveguide. <b>2018</b> , 67, 247302	4
103	4-Aminothiophenol-Modulated Ag Growth on Au Nanoparticles for Detection of Nitrite.	2
102	Preparation of nanoparticles of noble metals using laser ablation in liquids. <b>2007</b> , 35, 120-121	
101	Preparation and Process Clarification of Metal Nanoplate by Pulse Wire Discharged Method in Liquid Media. <b>2011</b> , 50, 01BJ08	

- 100 Ag Nanowires Prepared by a Modified Polyol Method with 1,4-Benzoquinone Additives. **2014**, 35, 3209-3212
- 99 Preparation and Characterization of Colloidal Cubes. **2015**, 73-87
- 98 Localized surface plasmon resonance modes in Ag nanowires with pentagonal cross sections. **2015**, 64, 245201 1
- 97 Synthesis of silver nanocubes and application in SERS. **2016**, 04, 46
- 96 Fabrication and Physical Properties of Mono- and Multilayer Silver Nanostructures. **2016**, 37, 763-773
- 95 Synthetic Strategies for Anisotropic and Shape-Selective Nanomaterials. **2017**, 29-77
- 94 Silver Nanoparticles Colloidal Dispersions: Synthesis and Antimicrobial Activity. **2017**, 149-171 1
- 93 Achievements in the Synthesis of Elemental Silver Nanoparticles with Various Geometric Forms. **2018**, 15, 112-128 2
- 92 Structurally ordered PtCo for oxygen reduction reaction prepared using polyvinylpyrrolidone as auxiliary dispersant. **2020**, 31, 455605 1
- 91 The Roles of Citrate and Defects in the Anisotropic Growth of Ag Nanostructures. 3
- 90 Revisiting the Polyol Synthesis and Plasmonic Properties of Silver Nanocubes. **2020**, 1, 132-140
- 89 Chemical synthesis of silver nanoparticles. **2022**, 21-53 0
- 88 Chemical and green production of silver nanocomposites. **2022**, 55-74
- 87 Silver Nanoparticles. **2020**, 432-449 0
- 86 Plasmon Enhanced Hybrid Photovoltaics. **2020**, 3-66
- 85 Ecotoxicity of Metallic Nanoparticles and Possible Strategies for Risk Assessment. **2020**, 41-53
- 84 Biological Synthesis of Silver Nanoparticles and their Functional Properties. 162-179
- 83 Biological Synthesis of Silver Nanoparticles and their Functional Properties. 1090-1107

82	Standardizing the bactericidal activities of silver nanoparticles made by electrochemical reduction and comparing it with deconex 53 instrument. <b>2011</b> , 10, 481-7	2
81	Synthesis of silver nanoparticles: chemical, physical and biological methods. <b>2014</b> , 9, 385-406	689
80	Facile Synthesis of a Cubic Porphyrin-Based Covalent Organic Framework for Combined Breast Cancer Therapy. <b>2021</b> , 13, 56873-56880	5
79	Comparative evaluation of chemically and green synthesized zinc oxide nanoparticles: their in vitro antioxidant, antimicrobial, cytotoxic and anticancer potential towards HepG2 cell line. 1	0
78	Site-selective overgrowth of Ag nanocrystals by Polyvinylpyrrolidone-mediated atom deposition by Ostwald ripening. <b>2022</b> , 580, 152291	0
77	High-conductivity flexible Ag films formed by low-temperature and short-time sintering of PVP-modified silver oxalate composite ink. <b>2022</b> , 9, 016303	0
76	Controllable Surface Modification of Colloidal Nanoparticles Using Laser Ablation in Liquids and Its Utilization. <b>2022</b> , 73-89	
75	Colloidal Au nanoplates: Synthesis, properties, and applications. <b>2022</b> ,	
74	Antibacterial Properties of Biodegradable Silver Nanoparticle Foils Based on Various Strains of Pathogenic Bacteria Isolated from the Oral Cavity of Cats, Dogs and Horses.. <b>2022</b> , 15,	2
73	Silver nanodendrites as excellent catalytic activity properties in dye degradation. <b>2022</b> , 128, 1	0
72	Synthesis of silver nanoparticles using polyol method with the addition of hydrochloric acid as an additive. <b>2022</b> ,	
71	Mechanical Properties of Nanowires. <b>2022</b> ,	
70	Recent Advances in the Synthesis of Complex Macromolecular Architectures Based on Poly(N-vinyl pyrrolidone) and the RAFT Polymerization Technique.. <b>2022</b> , 14,	1
69	Recent Advances and Mechanistic Insights into Antibacterial Activity, Antibiofilm Activity, and Cytotoxicity of Silver Nanoparticles.. <b>2022</b> ,	10
68	Directing monolayer tungsten disulfide photoluminescence using a bent-plasmonic nanowire on a mirror cavity.	1
67	Low-temperature synthesis and oxidation resistance of random combination of Hf, Nb, and Ta carbides microcuboids.	1
66	Heterogeneous Trimetallic Nanoparticles as Catalysts.. <b>2022</b> ,	5
65	Antibacterial Activity of Silver and Gold Particles Formed on Titania Thin Films.. <b>2022</b> , 12,	2



- 64 Facile and efficient ligand-directed asymmetric growth of Au@Ag bimetallic dimer nanostructures. **2022**, 24, 1
- 63 Investigation of catalytic potential of sodium dodecyl sulfate stabilized silver nanoparticles for the degradation of methyl orange dye. **2022**, 132996 5
- 62 Green fabrication of silver nanoparticles mediated by *Bistorta officinalis* aqueous extract: putative mechanism for apoptosis-inducing properties. 1-9
- 61 Size Control in the Colloidal Synthesis of Plasmonic Magnesium Nanoparticles.. **2022**, 126, 563-577 5
- 60 Biogenic Synthesis of Silver Nanoparticles, Characterization and Their Applications A Review. **2022**, 5, 67-90 10
- 59 Green synthesis, characterization, antibacterial activity of metal nanoparticles and composite oxides using leaves extract of *Ocimum basilicum* L.. **2022**, 0
- 58 Nanostructures Fabricated by Physical Techniques. **2022**, 13-22
- 57 Single-Crystalline Pyramidal TiC Particles Grown by Biphase Diffusion Synthesis.. **2022**, 0
- 56 Ultrasensitive detection of amoxicillin using the plasmonic silver nanocube as SERS active substrate.. **2022**, 278, 121308 0
- 55 High-performance visible light photocatalyst antibacterial applications of ZnO and plasmonic-decorated ZnO nanoparticles. 0
- 54 Coffee Husk and Lignin Revalorization: Modification with Ag Nanoparticles for Heavy Metals Removal and Antifungal Assays. **2022**, 14, 1796 1
- 53 Ag@CDs nanohybrid: Fabrication, design of a multi-mode chemosensory probe for selective Fe<sup>3+</sup> detection and logic gate operation. **2022**, 303, 135090 0
- 52 Plasmonic Sensors: An Insight into Fundamentals, Compositions, and Applications. **2022**, 273-293
- 51 Opportunities and Challenges for Alternative Nanoplasmonic Metals: Magnesium and Beyond. 0
- 50 A Dual Catalyst Strategy for Controlling Aluminum Nanocrystal Growth. 1
- 49 Application scope of multipole method for decomposition of plasmonic spectrum. **2022**, 39, 105742 0
- 48 Grafting of silver nanospheres and nanoplates onto plasma activated PET: Effect of nanoparticle shape on antibacterial activity. **2022**, 203, 111268 0
- 47 Therapeutic Effect of Green Synthesized Silver Nanoparticles Using *Erodium glaucophyllum* Extract against Oral Candidiasis: In Vitro and In Vivo Study. **2022**, 27, 4221 1

46	Size and Zeta Potential Clicked Germination Attenuation and Anti-Sporangiospores Activity of PEI-Functionalized Silver Nanoparticles against COVID-19 Associated Mucorales ( <i>Rhizopus arrhizus</i> ). <b>2022</b> , 12, 2235	2
45	Preventive effect of silver nanowires (Ag NWs) on oral implant repair infection.	
44	A comparative review on silk fibroin nanofibers encasing the silver nanoparticles as antimicrobial agents for wound healing applications. <b>2022</b> , 32, 103914	2
43	Silver Nanowires: A Focused Review About Their Synthesis, Properties, And Major Factors Limiting Their Commercialization.	0
42	NH <sub>4</sub> Cl and KCl effect on the structural, morphological, optical and electrochemical properties of Cu <sub>2</sub> O nanoparticles and Cu <sub>2</sub> O nanostructures, galvanostatically electrodeposited. <b>2022</b> , 123435	
41	Realization of ZnO microrods and Ag nanoparticles on glass and Si substrates by magnetron sputtering and near band edge photoluminescence enhancement from the exciton-plasmon system. <i>Materials Letters</i> , <b>2022</b> , 325, 132898	3.3 0
40	Graphene-Encapsulated Silver Nanoparticles for Plasmonic Vapor Sensing. <b>2022</b> , 12, 2473	
39	Synthetic Conditions, Physical Properties, and Antibacterial Activities of Silver Nanoparticles with Exopolysaccharides of a Medicinal Fungus. <b>2022</b> , 15, 5620	1
38	Hybrid Silver Nanowire/CMC Aerogels: From 1D Nanomaterials to 3D Electrically Conductive and Mechanically Resistant Lightweight Architectures.	
37	Application of AgPt Nanoshells in Direct Methanol Fuel Cells: Experimental and Theoretical Insights of Design Electrocatalysts over Methanol Crossover Effect.	1
36	Dose dependent intra-testicular accumulation of silver nanoparticles triggers morphometric changes in seminiferous tubules and Leydig cells and changes the structural integrity of spermatozoa chromatin. <b>2022</b> ,	1
35	SERS spectral evolution of azo-reactions mediated by plasmonic Au@Ag core-shell nanorods.	0
34	Antiviral behavior of metal oxide-reinforced polymer nanocomposites. <b>2022</b> , 439-467	0
33	Ionic Liquid Based Electrochemical Sensor for the Detection of Efavirenz. <b>2022</b> , 120444	0
32	Biosynthesis of Biocompatible AgNPs Using Medicinally Important <i>Carduus edelbergii</i> Rech.f. Extract for Multifarious Biological Activities. <b>2022</b> , 2022, 1-11	0
31	Biologically Synthesized Silver Nanoparticles and Their Diverse Applications. <b>2022</b> , 12, 3126	3
30	Silver Nanoparticles Stabilized by Poly (Vinyl Pyrrolidone) with Potential Anticancer Activity towards Prostate Cancer. <b>2022</b> , 2022, 1-12	1
29	Interrogating the role of seeds in seed-mediated growth by the symmetry-based kinematic theory. <b>2022</b> , 599, 126896	0

- 28 The Effects of Silver Nanoparticle Shape on Protein Adsorption and Neural Stem Cell Viability **2022**, 7,
- 27 Synthesis of silver nanowires and their utilization as a SERS substrate for the detection of Lidocaine. **2022**, 120618
- 26 Green, zero-waste pathway to fabricate supported nanocatalysts and anti-kinetoplastid agents from sugarcane bagasse. **2023**, 155, 179-191
- 25 In-situ electrochemical fabrication of Ag@AgCl NW-PET film with superior photocatalytic bactericidal activity.
- 24 Optimized PID Controller in Micro-Electrical Discharge Machine to Prepare Nano-Ag Colloid by Electrical Spark Discharge Method.
- 23 MXene fibers for electronic textiles: Progress and perspectives. **2022**, 107996
- 22 Biological activity of silver nanoparticles synthesized with Paenibacillus polymyxa exopolysaccharides. **2023**, 164, 110174
- 21 Functional silver nanoparticles synthesis from sustainable point of view: 2000 to 2023 - A review on game changing materials. **2022**, 8, e12322
- 20 The Low-Temperature Sol-Gel Synthesis of Metal-Oxide Films on Polymer Substrates and the Determination of Their Optical and Dielectric Properties. **2022**, 12, 4333
- 19 Development of 3D-Printed Collagen Scaffolds with In-Situ Synthesis of Silver Nanoparticles. **2023**, 12, 16
- 18 Quantitative Insights into a Plasmonic Ruler Equation from the Perspective of Enhanced Near Field.
- 17 Monodisperse colloidal silica with excellent batch-to-batch reproducibility by stoichiometric seeded growth strategy. **2023**, 456, 141125
- 16 Lattice Mismatch-Induced Formation of Copper Nanoplates with Embedded Ultrasmall Platinum or Palladium Cores for Tunable Optical Properties. 2206838
- 15 Ag recovery from waste printed circuit boards of cell phone for synthesis of Ag nanoparticles and their antibacterial activity.
- 14 Alkyl chain length and headgroup dependent stability and agglomeration properties of surfactant-assisted colloidal selenium nanoparticles. **2023**, 661, 130935
- 13 Bioengineered metal-based antimicrobial nanomaterials for surface coatings. **2023**, 489-539
- 12 Molecular mechanism for production of nanoparticles by endophytes. **2023**, 353-367
- 11 Tailoring Heat Transfer and Bactericidal Response in Multifunctional Cotton Composites. **2023**, 13, 463

- 10 Silver Nanoparticles: Bactericidal and Mechanistic Approach against Drug Resistant Pathogens. **2023**, 11, 369 1
- 9 Chloride enables the growth of Ag nanocubes and nanowires by making PVP binding facet-selective. **2023**, 15, 5219-5229 0
- 8 Metallic Nanoparticles: Status and Prospect. **2023**, 127-159 0
- 7 Synthesis of Silver Nanoparticles Using Novel Chemical Solution Method as Antibacterial Applied on Cosmetic Cotton Balls. 9, 8-18 0
- 6 Preparation and characterization of sodium dodecyl sulfate/Ag nanoparticles constituting branched microfibers. **2023**, 13, 035302 0
- 5 Silver nanowire decorated template-free grown Co<sub>3</sub>O<sub>4</sub> nanocones: a 3D SERS substrate for H<sub>2</sub>O<sub>2</sub> sensing. **2023**, 25, 0
- 4 Theory of Anisotropic Metal Nanostructures. **2023**, 123, 4146-4183 0
- 3 Efficient photocatalytic removal of N-nitrosamines from amine washing wastewater using bismuth tungstate. 0
- 2 Smart nanomaterials based on metals and metal oxides for photocatalytic applications. **2023**, 351-421 0
- 1 Wearable Cellulosic Textile Electrodes with High Washability Based on Silver Nanowires to Capture Electrocardiogram. 0