CITATION REPORT List of articles citing

Colloidal gold and silver triangular nanoprisms

DOI: 10.1002/smll.200801480 Small, 2009, 5, 646-64.

Source: https://exaly.com/paper-pdf/46290573/citation-report.pdf

Version: 2024-04-17

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
759	Nonlinear optical properties of triangular silver nanomaterials. 2009 , 481, 94-98		49
758	Gold colloids with unconventional angled shapes. 2009 , 25, 11431-5		34
757	Shape Evolution of Octahedral and Triangular Platelike Silver Nanocrystals from Cubic and Right Bipyramidal Seeds in DMF. 2009 , 9, 4700-4705		44
756	Nanometric Metal (Drganic Framework of Ln[Fe(CN)6]: Morphological Analysis and Thermal Conversion Dynamics by Direct TEM Observation. 2009 , 113, 21531-21537		19
755	A new twist: controlled shape-shifting of silver nanoparticles from prisms to discs. 2009 , 19, 8294		35
754	Silver nanoparticles with planar twinned defects: effect of halides for precise tuning of plasmon resonance maxima from 400 to >900 nm. <i>Chemical Communications</i> , 2009 , 7170-2	5.8	60
753	Preparations of Triangular Gold Nanoplates by Chemical and Photoreduction Methods. 2009 , 38, 1022-	1023	5
752	Photochemistry for the Synthesis of Noble Metal Nanoparticles. 2010 , 83, 1133-1154		26
751	Shape Changes from Polygonal Gold Nanocrystals to Spherical Nanoparticles Induced by Bubbling N2or O2Gas in Polyol Synthesis of Gold Nanostructures. 2010 , 83, 92-100		5
750	Concave cubic gold nanocrystals with high-index facets. 2010 , 132, 14012-4		461
749	Synthesis of Triangular Silver Nanoprisms by Stepwise Reduction of Sodium Borohydride and Trisodium Citrate. 2010 , 114, 2070-2074		102
748	Synthesis of Silver Nanoprisms with Variable Size and Investigation of Their Optical Properties: A First-Year Undergraduate Experiment Exploring Plasmonic Nanoparticles. 2010 , 87, 1098-1101		71
747	From artificial atoms to nanocrystal molecules: preparation and properties of more complex nanostructures. 2010 , 61, 369-89		156
746	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. 2010 , 2, 1962-75		124
745	Synthesis, characterization, and antibacterial activity of metal nanoparticles embedded into amphiphilic comb-type graft copolymers. 2010 , 65, 215-226		74
744	On the chemical synthesis of titanium nanoparticles from ionic liquids. 2010 , 141, 1273-1278		18
743	Nanocrystal-based time-temperature indicators. 2010 , 16, 12559-63		112

742	Nanopartikulīje Funktionsmaterialien. 2010 , 122, 1402-1437		95
74 ¹	Nanoparticulate functional materials. 2010 , 49, 1362-95		567
740	Achieving high-purity colloidal gold nanoprisms and their application as biosensing platforms. 2010 , 348, 29-36		35
739	Formation of gold and silver nanostructures within polyvinylpyrollidone (PVP) gel. 2010 , 183, 858-865		54
738	Influence of localized surface plasmon resonance on shape changes of nanostructures: Investigation using metal nanoblocks in halide solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 212, 20-26	4.7	1
737	Facile fabrication of single crystal gold nanoplates with micrometer lateral size. 2010 , 353, 125-131		9
736	The formation of gold nanoparticles using hydroquinone as a reducing agent through a localized pH change upon addition of NaOH to a solution of HAuCl4. 2010 , 370, 35-41		37
735	Gold microplates with well-defined shapes. <i>Small</i> , 2010 , 6, 1768-75	11	36
734	Encoded anisotropic particles for multiplexed bioanalysis. 2010 , 2, 578-600		41
733	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. 2010 , 12, 4028		14
733 73 ²	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. 2010 , 12, 4028 Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010 , 2010, 1-9		14
	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010 ,		<u> </u>
732	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010 , 2010, 1-9		10
73 ²	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010 , 2010, 1-9 Syntheses and Characterizations. 2010 , 49-310		10
73 ² 73 ¹ 73 ⁰	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010, 2010, 1-9 Syntheses and Characterizations. 2010, 49-310 Quantum dot/J-aggregate blended films for light harvesting and energy transfer. 2010, 10, 3995-9 Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of		10 3 68
73 ² 73 ¹ 73 ⁰ 729	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010, 2010, 1-9 Syntheses and Characterizations. 2010, 49-310 Quantum dot/J-aggregate blended films for light harvesting and energy transfer. 2010, 10, 3995-9 Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. 2010, 9, 766-74		10 3 68 38
73 ² 73 ¹ 73 ⁰ 729 728	Synthesis of High-Yield Gold Nanoplates: Fast Growth Assistant with Binary Surfactants. 2010, 2010, 1-9 Syntheses and Characterizations. 2010, 49-310 Quantum dot/J-aggregate blended films for light harvesting and energy transfer. 2010, 10, 3995-9 Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. 2010, 9, 766-74 Fabrication and characterization of colloidal crystals infiltrated with metallic nanoparticles. 2010,	9.5	10 3 68 38 6

724	Seeded growth of uniform Ag nanoplates with high aspect ratio and widely tunable surface plasmon bands. 2010 , 10, 5037-42		205
723	Photomediated synthesis of silver triangular bipyramids and prisms: the effect of pH and BSPP. 2010 , 132, 12502-10		157
722	Size-controlled growth of colloidal gold nanoplates and their high-purity acquisition. 2010 , 21, 105602		32
721	Controlling Interparticle Gaps in Self-Organizing Gold Nanostructures on Templates Made by a Modified Hard Anodization Technique. 2010 , 114, 3459-3465		12
720	Biological shape-controlled synthesis of silver nanoplates. 2010 ,		
719	Porous gold nanobelts templated by metal-surfactant complex nanobelts. 2010 , 26, 12330-5		51
718	Real time observation of chemical reactions of individual metal nanoparticles with high-throughput single molecule spectral microscopy. 2010 , 82, 8744-9		39
717	Aging induced Ag nanoparticle rearrangement under ambient atmosphere and consequences for nanoparticle-enhanced DNA biosensing. 2010 , 82, 8664-70		15
716	The citrate-mediated shape evolution of transforming photomorphic silver nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 7807-9	.8	29
715	Aul: an alternative and potentially better precursor than AuIII for the synthesis of Au nanostructures. 2010 , 20, 2290		46
714	Stepwise Growth of Decahedral and Icosahedral Silver Nanocrystals in DMF. 2010 , 10, 296-301		85
713	Atomically flat single-crystalline gold nanostructures for plasmonic nanocircuitry. <i>Nature</i> **Communications, 2010 , 1, 150	7.4	314
712	Electrostatic surface modifications to improve gene delivery. 2010 , 7, 535-50		60
711	One-pot synthesis of triangular gold nanoplates allowing broad and fine tuning of edge length. 2010 , 2, 2209-16		62
710	One-pot synthesis of Fe3O4 nanoprisms with controlled electrochemical properties. <i>Chemical Communications</i> , 2010 , 46, 3920-2	.8	130
709	A Simple Synthesis Method for Gold Nano- and Microplate Fabrication Using a Tree-Type Multiple-Amine Head Surfactant. 2010 , 10, 1118-1123		51
708	Triangular core-shell structure Ag@AgAu. 2010 ,		
707	Glycine-assisted double-solvothermal approach for various cuprous oxide structures with good catalytic activities. 2010 , 12, 406-412		57

706	Controllable synthesis of multi-layered gold spirangles. 2011 , 21, 17606		9
7 ⁰ 5	Effects of gas bubbling for shape, size, and composition changes in AuAg bimetallic nanoparticles including polygonal Au seeds under oil-bath heating at 150 °C. 2011 , 13, 6499		6
704	Ionic liquid-assisted synthesis of thorned gold plates comprising three-branched nanotip arrays. <i>Chemical Communications</i> , 2011 , 47, 2985-7	5.8	20
703	Synthesis of shield-like singly twinned high-index Au nanoparticles. 2011 , 3, 1497-500		20
702	Nanogold-based sensing of environmental toxins: excitement and challenges. 2011 , 29, 52-89		23
701	Shape Transformation of Gold Nanoplates and their Surface Plasmon Characterization: Triangular to Hexagonal Nanoplates. <i>Chemistry of Materials</i> , 2011 , 23, 2011-2013	9.6	112
700	Reorganization Induced by Silver Salt Reduction Inside a Mesostructured Block Copolymer Silica Film. 2011 , 115, 25201-25208		6
699	Controlling the Growth Kinetics of Nanocrystals via Galvanic Replacement: Synthesis of Au Tetrapods and Star-Shaped Decahedra. 2011 , 11, 3545-3550		43
698	Two-Step Synthesis of Narrow Size Distribution Nanoflowers Using a Tree-Type Multi-Amine-Head Surfactant as a Template. 2011 , 11, 3822-3827		17
697	Assembly-based titration for the determination of monodisperse plasmonic nanoparticle concentrations using DNA. 2011 , 83, 4989-95		8
696	Etching growth under surface confinement: an effective strategy to prepare mesocrystalline Pd nanocorolla. 2011 , 133, 15946-9		127
695	Correlated Structure and Optical Property Studies of Plasmonic Nanoparticles. 2011 , 115, 9291-9305		196
694	Surface chemistry: a non-negligible parameter in determining optical properties of small colloidal metal nanoparticles. 2011 , 13, 11814-26		37
693	Synthesis and isolation of {110}-faceted gold bipyramids and rhombic dodecahedra. 2011 , 133, 6170-3		129
692	Bacterial kinetics-controlled shape-directed biosynthesis of silver nanoplates using Morganella psychrotolerans. 2011 , 27, 714-9		136
691	Aullu2O CoreBhell Nanoparticles: A Hybrid Metal-Semiconductor Heteronanostructure with Geometrically Tunable Optical Properties. <i>Chemistry of Materials</i> , 2011 , 23, 4587-4598	9.6	246
690	Resonant wedge-plasmon modes in single-crystalline gold nanoplatelets. 2011 , 83,		74
689	Synthesis of hexagonal close-packed gold nanostructures. <i>Nature Communications</i> , 2011 , 2, 292	17.4	467

688	Solution-phase, dual LSPR-SERS plasmonic sensors of high sensitivity and stability based on chitosan-coated anisotropic silver nanoparticles. 2011 , 21, 3625	118
687	Noble Metal Nanoparticles: Synthesis and Optical Properties. 2011 , 375-435	26
686	Single metal nanoparticles: optical detection, spectroscopy and applications. 2011 , 74, 106401	204
685	Synergistic antibacterial activity of chitosan-silver nanocomposites on Staphylococcus aureus. 2011 , 22, 135101	146
684	Shape control of gold nanoparticles by silver underpotential deposition. 2011 , 11, 3394-8	300
683	Shaping hybrid nanostructures with polymer matrices: the formation mechanism of silverpolypyrrole core/shell nanostructures. 2011 , 21, 2078-2086	18
682	High-sensitivity strain gauge based on a single wire of gold nanoparticles fabricated by stop-and-go convective self-assembly. 2011 , 5, 7137-43	132
681	Monodisperse hexagonal silver nanoprisms: synthesis via thiolate-protected cluster precursors and chiral, ligand-imprinted self-assembly. 2011 , 5, 7411-25	51
680	Bio-Mediated Assembly of Ordered Nanoparticle Superstructures. 2011 , 69-103	
679	Synthesis of silver nanorods by low energy excitation of spherical plasmonic seeds. 2011 , 11, 2495-8	176
678	Surfactant-assisted, shape-controlled synthesis of gold nanocrystals. 2011 , 3, 1383-96	306
677	Chiral transformation: from single nanowire to double helix. 2011 , 133, 20060-3	87
676	Generation of Ag2O micro-/nanostructures by pulsed excimer laser ablation of Ag in aqueous solutions of polysorbate 80. 2011 , 27, 851-5	38
675	A simple and sensitive assay of gallic acid based on localized surface plasmon resonance light scattering of silver nanoparticles through modified Tollens process. 2011 , 27, 937-41	25
674	Mesophase behaviour of polyhedral particles. 2011 , 10, 230-5	242
673	Continuous synthesis of magnesium-hydroxide, zinc-oxide, and silver nanoparticles by microwave plasma in water. 2011 , 131, 425-430	34
672	Size dependent nonlinear optical properties of silver quantum clusters. 2011 , 512, 92-95	22
671	High-yield, size-controlled synthesis of silver nanoplates and their applications as methanol-tolerant electrocatalysts in oxygen reduction reaction. 2011 , 36, 10502-10512	24

(2011-2011)

670	A systematic study of the synthesis of silver nanoplates: is citrate a "magic" reagent?. 2011 , 133, 18931-9	563
669	A mechanistic study on the formation of silver nanoplates in the presence of silver seeds and citric acid or citrate ions. 2011 , 6, 376-9	80
668	Templated techniques for the synthesis and assembly of plasmonic nanostructures. 2011 , 111, 3736-827	981
667	The effect of gold clusters on the autoxidation of poly(3-hydroxy 10-undecenoate-co-3-hydroxy octanoate) and tissue response evaluation. 2011 , 18, 251-262	27
666	Manipulating near field polarization beyond the diffraction limit. 2011, 104, 65-71	6
665	Shaped gold and silver nanoparticles. 2011 , 5, 1-24	24
664	Shape-tailoring and catalytic function of anisotropic gold nanostructures. 2011 , 6, 547	32
663	Cancer nanotheranostics: improving imaging and therapy by targeted delivery across biological barriers. 2011 , 23, H217-47	384
662	Successive Deposition of Silver on Silver Nanoplates: Lateral versus Vertical Growth. 2011 , 123, 258-263	28
661	Synthesis of Gold Square-like Plates from Ultrathin Gold Square Sheets: The Evolution of Structure Phase and Shape. 2011 , 123, 12453-12456	10
660	Successive deposition of silver on silver nanoplates: lateral versus vertical growth. 2011 , 50, 244-9	178
659	Synthesis of gold square-like plates from ultrathin gold square sheets: the evolution of structure phase and shape. 2011 , 50, 12245-8	107
658	Block copolymer-directed metal nanoparticle morphogenesis and organization. 2011 , 47, 569-583	96
657	Surface plasmon modes of gold nanospheres, nanorods, and nanoplates in an organic solvent: phase-transfer from aqueous to organic media. 2011 , 358, 317-22	23
656	Synthesis and growth mechanism of gold nanoplates with novel shapes. 2011 , 321, 124-130	18
655	Creating gold nanoprisms directly on quartz crystal microbalance electrodes for mercury vapor sensing. 2011 , 22, 305501	39
654	Synthesis of gold nanocubes in aqueous solution with remarkable shape-selectivity. 2011 , 15, 441-448	5
653	Metal split-cylinder resonators for plasmonic nanosensing. 2011 , 13, 095001	4

652	Surface enhanced Raman scattering analysis of Ag nanoparticles in different sizes synthesized by NaBH4 induced nucleation method. 2011 ,	
651	Soft tissue response to the presence of polypropylene-G-poly(ethylene glycol) comb-type graft copolymers containing gold nanoparticles. 2011 , 2011, 956169	21
650	Assembly of reconfigurable one-dimensional colloidal superlattices due to a synergy of fundamental nanoscale forces. 2012 , 109, 2240-5	119
649	Plasmon hybridization for enhanced nonlinear optical response. 2012 , 20, 29923-30	12
648	Ecofriendly Synthesis of Anisotropic Gold Nanoparticles: A Potential Candidate of SERS Studies. 2012 , 2012, 1-6	11
647	Generation of silver-anatase nanocomposite by excimer laser-assisted processing. 2012, 2, 032171	9
646	Effects of Ag+ and Cu2+ Ions on the Shape of Triangular Gold Nanoparticles. 2012 , 41, 1166-1167	1
645	Influence of oxygen on the process of formation of silver nanoparticles during citrate/borohydride synthesis of silver sols. 2012 , 410, 45-51	34
644	Combinatorial Polymer Library Approach for the Synthesis of Silver Nanoplates. <i>Chemistry of Materials</i> , 2012 , 24, 4424-4433	33
643	Self-assembly of noble metal nanocrystals: Fabrication, optical property, and application. 2012 , 7, 564-585	178
642	Improved localized surface plasmon resonance biosensing sensitivity based on chemically-synthesized gold nanoprisms as plasmonic transducers. 2012 , 22, 923-931	57
641	Chemically isolating hot spots on concave nanocubes. 2012 , 12, 6218-22	69
640	Biogenic synthesis of photocatalytically active Ag/TiO2 and Au/TiO2 composites. 2012, 14, 968	38
639	Kinetics of Gold Nanoparticle Formation Facilitated by Triblock Copolymers. 2012, 116, 4431-4441	22
638	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. 2012 , 414, 17-25	16
637	Identifying mass transfer influences on Au nanoparticles growth process by centrifugation. Chemical Communications, 2012 , 48, 7353-5 5.8	5
636	Synthesis of Gold Nanoplates with Bioreducing Agent Using Syringe Pumps: A Kinetic Control. 2012 , 51, 15753-15762	35
635	Designing Efficient Localized Surface Plasmon Resonance-Based Sensing Platforms: Optimization of Sensor Response by Controlling the Edge Length of Gold Nanoprisms. 2012 , 116, 20990-21000	48

(2012-2012)

634	nanocrystals. 2012 , 134, 1793-801	238
633	Defining rules for the shape evolution of gold nanoparticles. 2012 , 134, 14542-54	522
632	Size-dependent transformation from Ag templates to AuAg nanoshells via galvanic replacement reaction in organic medium. 2012 , 14, 1	11
631	Organization of Metal Nanoparticles for Surface-Enhanced Spectroscopy: A Difference in Size Matters. 2012 , 116, 21982-21991	26
630	Surfactantless photochemical growth of Ag nanostructures on GaN epitaxial films with controlled morphologies and their application for SERS. 2012 , 22, 2410-2418	15
629	Beneficial effects of microwave-assisted heating versus conventional heating in noble metal nanoparticle synthesis. 2012 , 6, 9433-46	123
628	Facile synthesis of carboxymethyl curdlan-capped silver nanoparticles and their application in SERS. 2012 , 90, 261-9	30
627	Multifaceted prismatic silver nanoparticles: synthesis by chloride-directed selective growth from thiolate-protected clusters and SERS properties. 2012 , 4, 6981-9	26
626	Electron accumulation on metal nanoparticles in plasmon-enhanced organic solar cells. 2012, 6, 10024-32	92
625	One-pot synthesis of spheres-on-sphere silica particles from a single precursor for fast HPLC with low back pressure. 2012 , 24, 6042-8	47
624	Transformation from Silver Nanoprisms to Nanodecahedra in a Temperature-Controlled Photomediated Synthesis. 2012 , 116, 24268-24273	26
623	Selective Excitation of Plasmon Resonances of Single Au Triangles by Polarization-Dependent Light Excitation. 2012 , 116, 14591-14598	59
622	Fabrication of Au@Ag core-shell nanoparticles using polyelectrolyte multilayers as nanoreactors. 2012 , 28, 15705-12	37
621	Controlling Morphology in Noble Metal Nanoparticles via Templating Approach. 2012 , 91-116	1
620	Shape evolution of citrate capped gold nanoparticles in seeding approach. 2012, 415, 174-179	19
619	Controlling the morphology of gold nanoparticles synthesized photochemically in a polymer matrix through photonic parameters. 2012 , 23, 415705	23
618	Gold nanoparticles as computerized tomography (CT) contrast agents. 2012 , 2, 12515	106
617	Preparation and antibacterial properties of laser-generated silver-anatase nanocomposite film against Escherichia coli and Staphylococcus aureus. 2012 , 23, 495708	15

616	Shape-controlled synthesis of silver nanocrystals by X-ray irradiation for inkjet printing. <i>ACS Applied Materials & Amp; Interfaces</i> , 2012 , 4, 5930-5	9.5	13
615	Seed-mediated growth method for high-quality noble metal nanocrystals. 2012 , 55, 2311-2317		20
614	Optimization of Three-Layered AuAg Bimetallic Nanoshells for Triple-Bands Surface Plasmon Resonance. 2012 , 116, 11734-11740		36
613	Coating matters: the influence of coating materials on the optical properties of gold nanoparticles. 2012 , 1, 199-220		34
612	Facile synthesis of concave decahedra enclosed by high-index facets and truncated decahedra with a large size. 2012 , 41, 4948-54		5
611	Synthesis of silver nanoplates by two-dimensional oriented attachment. 2012 , 28, 9244-9		43
610	Efficient polymer passivation of ligand-stripped nanocrystal surfaces. 2012 , 50, 3719-3727		16
609	Nanoplasmon-enhanced transparent plasma display devices. <i>Small</i> , 2012 , 8, 1350-4	11	21
608	Highly ordered arrays of particle-in-bowl plasmonic nanostructures for surface-enhanced raman scattering. <i>Small</i> , 2012 , 8, 2548-54	11	75
607	Excitation polarization sensitivity of plasmon-mediated silver nanotriangle growth on a surface. 2012 , 28, 8920-5		17
606	Rapid transformation from spherical nanoparticles, nanorods, cubes, or bipyramids to triangular prisms of silver with PVP, citrate, and H2O2. 2012 , 28, 8845-61		99
605	Bacterial effects and protein corona evaluations: crucial ignored factors in the prediction of bio-efficacy of various forms of silver nanoparticles. 2012 , 25, 1231-42		87
604	Core/shell nanoparticles: classes, properties, synthesis mechanisms, characterization, and applications. 2012 , 112, 2373-433		2528
603	Template-free synthesis of large anisotropic gold nanostructures on reduced graphene oxide. 2012 , 4, 3055-9		24
602	Synthesis of Stable SiO2@Au-Nanoring Colloids as Recyclable Catalysts: Galvanic Replacement Taking Place on the Surface. 2012 , 116, 10753-10759		50
601	Nanoantennas for visible and infrared radiation. 2012 , 75, 024402		599
600	Highly Stable Silver Nanoplates for Surface Plasmon Resonance Biosensing. 2012 , 124, 5727-5731		21
599	Edelmetall-Nanokristalle mit konkaven Oberflühen: Synthese und Anwendungen. 2012 , 124, 7774-779	2	44

598	Highly stable silver nanoplates for surface plasmon resonance biosensing. 2012 , 51, 5629-33	281
597	Noble-metal nanocrystals with concave surfaces: synthesis and applications. 2012 , 51, 7656-73	380
596	H2O2-aided seed-mediated synthesis of silver nanoplates with improved yield and efficiency. 2012 , 13, 2526-30	48
595	Polymer/Trimer/Metal Complex Mixtures as Precursors of Gold Nanoparticles: Tuning the Morphology in the Solid-State. 2012 , 22, 447-454	4
594	Synthesis of polyhedral Ag nanostructures by a PVP-assisted hydrothermal method. 2012 , 14, 1	12
593	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a ⊞odified polyol process□ 2012 , 395, 145-151	58
592	Synthesis of uniform gold nanoparticles using non-pathogenic bio-control agent: evolution of morphology from nano-spheres to triangular nanoprisms. 2012 , 367, 148-52	26
591	Gold Coating of Silver Nanoprisms. 2012 , 22, 849-854	108
590	Monitoring the Shape Evolution of Silver Nanoplates: A Marker Study. 2012 , 124, 567-570	8
589	Monitoring the shape evolution of silver nanoplates: a marker study. 2012 , 51, 552-5	58
588	Biomedical applications of photoacoustic imaging with exogenous contrast agents. 2012 , 40, 422-37	276
587	Quantitative nucleation and growth kinetics of gold nanoparticles via model-assisted dynamic spectroscopic approach. 2013 , 407, 8-16	25
586	Immobilization of Enzymes and Cells. 2013 ,	37
585	Design and characterization of functional nanoparticles for enhanced bio-performance. 2013 , 1051, 165-207	1
584	Bovine Serum Albumin as an Effective Surface Regulating Biopolymer for Morphology Control of Gold Polyhedrons. 2013 , 13, 4131-4137	11
583	SERS-based DNA detection in aqueous solutions using oligonucleotide-modified Ag nanoprisms and gold nanoparticles. 2013 , 405, 6131-6	30
582	Sunlight mediated synthesis of PDDA protected concave gold nanoplates. 2013 , 15, 1	4
581	Facile and green fabrication of small, mono-disperse and size-controlled noble metal nanoparticles embedded in water-stable polyvinyl alcohol nanofibers: High sensitive, flexible and reliable materials for biosensors. 2013 , 185, 608-619	28

580	Citrate-free synthesis of silver nanoplates and the mechanistic study. <i>ACS Applied Materials & ACS ACS APPLIED & ACS ACS APPLIED & ACS ACS APPLIED & ACS ACS APPLIED & ACS ACS ACS ACS ACS ACS ACS ACS ACS ACS</i>	9.5	46
579	Design of highly sensitive non-aggregation colorimetric sensor and its application based on inhibiting vitamin C reducing Hg2+. 2013 , 188, 613-620		8
578	Tuning dye-to-particle interactions toward luminescent gold nanostars. 2013 , 29, 10915-21		27
577	Self-Assembled Nanostructures in Silver@holesterol and Silver@hiocholesterol Systems. 2013 , 3, 289-2	.94	5
576	Highly sensitive and selective colorimetric sensing of Hg2+ based on the morphology transition of silver nanoprisms. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 284-90	9.5	192
575	Phase transfer of triangular silver nanoprisms from aqueous to organic solvent by an amide coupling reaction. 2013 , 29, 7052-60		16
574	Sacrificial polymer thin-film template with tunability to construct high-density Au nanoparticle arrays and their refractive index sensing. 2013 , 15, 15499-507		9
573	Plasmonic Biosensor Based on Triangular Au/Ag and Au/Ag/Au Core/Shell Nanoprisms onto Indium Tin Oxide Glass. 2013 , 8, 1577-1583		16
572	Solvent and stabilizer free growth of Ag and Pd nanoparticles using metallic salts/cyclotriphosphazenes mixtures. 2013 , 143, 124-132		3
571	Green "planting" nanostructured single crystal silver. 2013 , 3, 1511		20
570	Electrochemical signal response for vitamin B1 using terbium luminescent nanoscale building blocks as optical sensors. 2013 , 188, 1176-1182		17
569	Magnetic tuning of plasmonic excitation of gold nanorods. 2013 , 135, 15302-5		77
568	Combined three-dimensional electromagnetic and device modeling of surface plasmon-enhanced organic solar cells incorporating low aspect ratio silver nanoprisms. 2013 , 103, 183303		10
567	Temperature-Controlled Reversible Localized Surface Plasmon Resonance Response of Polymer-Functionalized Gold Nanoprisms in the Solid State. 2013 , 117, 26228-26237		34
566	Uniform M3PMo12O40[hH2O (M = NH4+, K+, Cs+) rhombic dodecahedral nanocrystals for effective antibacterial agents. 2013 , 42, 15637-44		26
565	Mechanism of Shape Evolution in Ag Nanoprisms Stabilized by Thiol-Terminated Poly(ethylene glycol): An in Situ Kinetic Study. <i>Chemistry of Materials</i> , 2013 , 25, 4206-4214	9.6	36
564	Gold nanorod plasmonic upconversion microlaser. 2013 , 13, 5827-31		32
563	Triangular metal nanoprisms of Ag, Au, and Cu: Modeling the influence of size, composition, and excitation wavelength on the optical properties. 2013 , 423, 142-150		48

562	Controlling the Fate of Protein Corona by Tuning Surface Properties of Nanoparticles. 2013, 4, 3747-3752	41
561	Building triangular nanoprisms from the bottom-up: a polyelectrolyte micellar approach. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4212-4216	10
560	Making sense of the mayhem behind shape control in the synthesis of gold nanoparticles. 2013 , 135, 18238-47	237
559	Emeraldine Salt Form of Polyaniline as a Probe Molecule for Surface Enhanced Raman Scattering Substrates Excited at 1064 nm. 2013 , 117, 18199-18205	16
558	Plasmonische Synthese von metallischen Nanostrukturen. 2013 , 125, 14158-14189	15
557	Ionic liquid-assisted hydrothermal synthesis of TiO2 nanoparticles and its application in photocatalysis. 2013 , 48, 8420-8426	44
556	Plasmon-mediated syntheses of metallic nanostructures. 2013 , 52, 13910-40	156
555	A facile photochemical route for the synthesis of triangular Ag nanoplates and colorimetric sensing of H2O2. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 270, 1-6	26
554	Synthesis of triangular gold nanoplates: Role of bromide ion and temperature. 2013 , 422, 181-190	17
553	Iron(III) ion-supported electrosynthesis of urchin-like gold arrays. 2013 , 108, 390-397	17
552	H2O2-triggered shape transformation of silver nanospheres to nanoprisms with controllable longitudinal LSPR wavelengths. 2013 , 3, 12886	64
551	High-frequency mechanical stirring initiates anisotropic growth of seeds requisite for synthesis of asymmetric metallic nanoparticles like silver nanorods. 2013 , 13, 4739-45	36
550	Space-confined fabrication of silver nanodendrites and their enhanced SERS activity. 2013 , 5, 4284-90	49
549	A colorimetric method for highly sensitive and accurate detection of iodide by finding the critical color in a color change process using silver triangular nanoplates. 2013 , 798, 74-81	66
548	Solid state pathways to complex shape evolution and tunable porosity during metallic crystal growth. 2013 , 3, 2642	20
547	Synthesis of copper submicro/nanoplates with high stability and their recyclable superior catalytic activity towards 4-nitrophenol reduction. 2013 , 1, 12361	68
546	Synthesis and growth mechanism of triangular Ag-rich AgAu alloy prisms in an aqueous solution in the presence of PVP, citrate and H2O2. 2013 , 15, 7688	5
545	Microfluidics-based continuous flow formation of triangular silver nanoprisms with tuneable surface plasmon resonance. 2013 , 1, 7540	23

544	Organic solar cells using plasmonics of Ag nanoprisms. 2013 , 14, 278-285	39
543	Silver nanoplates: controlled preparation, self-assembly, and applications in surface-enhanced Raman scattering. 2013 , 110, 335-342	22
542	Template synthesis of braided gold nanowires with gemini surfactant⊞AuCl4 aggregates. 2013 , 15, 1	11
541	Evaluation of larvicidal activity of biogenic nanoparticles against filariasis causing Culex mosquito vector. 2013 , 3, 174-179	42
540	Modeling of nanoparticle manipulation by AFM: Rolling vs. sliding regimes. 2013, 101, 66002	3
539	Can Surface Plasmon Fields Provide a New Way to Photosensitize Organic Photoreactions? From Designer Nanoparticles to Custom Applications. 2013 , 4, 1177-87	66
538	Geometrically Tunable Optical Properties of Metal Nanoparticles. 2013, 1-74	2
537	Synthesis of gold hexagonal bipyramids directed by planar-twinned silver triangular nanoprisms. 2013 , 135, 3800-3	60
536	Controlled synthesis of colloidal silver nanoparticles in organic solutions: empirical rules for nucleation engineering. 2013 , 42, 2497-511	163
535	Chemometric analysis of spectroscopic data on shape evolution of silver nanoparticles induced by hydrogen peroxide. 2013 , 15, 4183-9	26
534	Local deposition of anisotropic nanoparticles using scanning electrochemical microscopy (SECM). 2013 , 15, 2725-32	23
533	Seedless initiation as an efficient, sustainable route to anisotropic gold nanoparticles. 2013 , 29, 4396-403	37
532	Different Plasmon Sensing Behavior of Silver and Gold Nanorods. 2013 , 4, 1541-5	109
531	Plasmon-enhanced chemical reactions. 2013 , 1, 5790	230
530	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly sensitive plasmonic platforms for intracellular SERS sensing and imaging. 2013 , 5, 6013-22	54
529	Synthesis of antibacterial amphiphilic elastomer based on polystyrene-block-polyisoprene-block-polystyrene via thiol-ene addition. 2013 , 33, 1061-6	25
528	Nucleic acid-modified nanostructures as programmable atom equivalents: forging a new "table of elements". 2013 , 52, 5688-98	129
527	Ag@zinc-tetraphenylporphyrin core-shell nanostructures with unusual thickness-tunable fluorescence. <i>Chemical Communications</i> , 2013 , 49, 3513-5	9

(2014-2013)

526	A highly active SERS sensing substrate: core-satellite assembly of gold nanorods/nanoplates. 2013 , 24, 235502	8
525	Light-driven transformation processes of anisotropic silver nanoparticles. 2013 , 7, 5911-21	51
524	NucleinsDremodifizierte Nanostrukturen als programmierbare Atomquivalente: Entwicklung eines neuen Bystems der ElementeD 2013 , 125, 5798-5809	10
523	Synthesis of silver octahedra with controlled sizes and optical properties via seed-mediated growth. 2013 , 7, 4586-94	133
522	Preparation and application of triangular silver nanoplates/chitosan composite in surface plasmon resonance biosensing. 2013 , 769, 114-20	36
521	Scalable Parallel Screening of Catalyst Activity at the Single-Particle Level and Subdiffraction Resolution. 2013 , 3, 1448-1453	53
520	Effect of periodicity on the performance of surface plasmon resonance sensors based on subwavelength nanohole arrays. 2013 , 178, 366-370	37
519	Electron transport in gold colloidal nanoparticle-based strain gauges. 2013 , 24, 095701	58
518	Colorimetric visualization of glucose at the submicromole level in serum by a homogenous silver nanoprism-glucose oxidase system. 2013 , 85, 6241-7	212
517	Additive-free size-controlled synthesis of gold square nanoplates using photochemical reaction in dynamic phase-separating media. 2013 , 29, 5889-95	16
516	Electron Phonon Scattering in 2D Silver Nanotriangles. 2013, 117, 22041-22045	8
515	Halide Anions as Shape-Directing Agents for Obtaining High-Quality Anisotropic Gold Nanostructures. <i>Chemistry of Materials</i> , 2013 , 25, 1392-1399	155
514	Preparation of Triangular Silver Nanoparticles Using Polyvinyl Pyrrolidone with Different Concentration. 2013 , 873, 206-210	
513	The Morphology Evolution of Nickel Phosphite Hexagonal Polyhedrons and Their Primary Electrochemical Capacitor Applications. 2013 , 30, 287-295	36
512	Bypassing the Limitations of Classical Chemical Purification with DNA-Programmable Nanoparticle Recrystallization. 2013 , 125, 2958-2963	13
511	Bypassing the limitations of classical chemical purification with DNA-programmable nanoparticle recrystallization. 2013 , 52, 2886-91	49
510	Keggin-lysine hybrid nanostructures in the shape modulation of gold. 2014 , 1, 015007	3
509	Selective Detection of Mercury (II) by Etching the Corners of Silver Triangular Nanoplates. 2014 , 47, 549-553	10

508	Capping effect of reducing agents and surfactants in synthesizing silver nanoplates. 2014 , 24, 3732-3738	16
507	A nanolens-type enhancement in the linear and second harmonic response of a metallic dimer. 2014 , 16, 114010	2
506	Rational synthesis of triangular Au-Ag(2)S hybrid nanoframes with effective photoresponses. 2014 , 20, 2742-5	19
505	Efficiency Enhancement of Organic Solar Cells with Process-Optimized Silver Nanoprisms. 2014 , 598, 327-330	O
504	Hollow and Solid Metallic Nanoparticles in Sensing and in Nanocatalysis. <i>Chemistry of Materials</i> , 2014 , 26, 44-58	124
503	The relevance of light in the formation of colloidal metal nanoparticles. 2014 , 43, 2089-97	104
502	Preparation of novel silver nanoplates/graphene composite and their application in vanillin electrochemical detection. 2014 , 38, 39-45	51
501	Facet dependent binding and etching: ultra-sensitive colorimetric visualization of blood uric acid by unmodified silver nanoprisms. 2014 , 59, 227-32	47
500	Anisotropic gold nanoparticles: synthesis, properties, applications, and toxicity. 2014 , 53, 1756-89	664
499	Scaling up the production of colloidal nanocrystals: should we increase or decrease the reaction volume?. 2014 , 26, 2600-6	85
498	Green synthesis of silver nanoparticles and its application for mosquito control. 2014 , 4, S204-S210	49
497	New insights into the side-face structure, growth aspects, and reactivity of Ag(n) nanoprisms. 2014 , 30, 1424-34	23
496	PPIBA and PAMAMBA dendrimers assisted synthesis of silver nanoparticles: structure, optical properties and stability. 2014 , 16, 1	4
495	Direct readout SERS multiplex sensing of pesticides via gold nanoplate-in-shell monolayer substrate. 2014 , 451, 48-55	5
494	One-step growth of triangular silver nanoplates with predictable sizes on a large scale. 2014 , 6, 4513-6	57
493	Hydrothermal synthesis, magnetic and electromagnetic properties of hexagonal Fe3O4 microplates. 2014 , 361, 161-165	12
492	Synthesis and Plasmonic Properties of CoreBhell Bimetallic SilverCold Nanoprisms Obtained through an Organometallic Route. 2014 , 2014, 2383-2388	7
491	A highly sensitive plasmonic DNA assay based on triangular silver nanoprism etching. 2014 , 8, 4902-7	127

490	Folic acid-conjugated, SERS-labeled silver nanotriangles for multimodal detection and targeted photothermal treatment on human ovarian cancer cells. 2014 , 11, 391-9	96
489	Structural Evolution of Silver Nanoparticles during Wet-Chemical Synthesis. <i>Chemistry of Materials</i> , 9.6	67
488	Surface plasmon resonance caused by gold nanoparticles formed on sprayed TiO2 films. 2014 , 553, 144-147	9
487	Upconversion emission properties and tunable morphologies of Y6WO12:Yb3+/Er3+ phosphor. 2014 , 62, 45-49	11
486	Hanoi tower-like multilayered ultrathin palladium nanosheets. 2014 , 14, 7188-94	98
485	Spectroscopic Techniques Based´on the Use of Gold Nanoparticles. 2014 , 477-527	3
484	Ligand-exchange assisted formation of Au/TiO2 Schottky contact for visible-light photocatalysis. 2014 , 14, 6731-6	225
483	Catalytic strategy for efficient degradation of nitroaromatic pesticides by using gold nanoflower. 2014 , 62, 10638-45	25
482	Panchromatic enhancement of light-harvesting efficiency in dye-sensitized solar cells using thermally annealed Au@SiOltriangular nanoprisms. 2014 , 30, 14352-9	31
481	The role of etching in the formation of Ag nanoplates with straight, curved and wavy edges and comparison of their SERS properties. <i>Small</i> , 2014 , 10, 1430-7	53
480	High-yield seedless synthesis of triangular gold nanoplates through oxidative etching. 2014 , 14, 7201-6	266
479	Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. 2014 , 6, 9816-9824	47
478	Langmuir Analysis of Nanoparticle Polyvalency in DNA-Mediated Adsorption. 2014 , 126, 9686-9692	5
477	Silver Seeds and Aromatic Surfactants Facilitate the Growth of Anisotropic Metal Nanoparticles: Gold Triangular Nanoprisms and Ultrathin Nanowires. <i>Chemistry of Materials</i> , 2014 , 26, 6172-6177	28
476	Chemical stability and degradation mechanisms of triangular Ag, Ag@Au, and Au nanoprisms. 2014 , 16, 12407-14	46
475	One-pot synthesis of silver nanoshells with near-infrared extinction by a thiocyanate-assisted approach. 2014 , 4, 10830	5
474	Morphology and size control of octahedral and cubic primary Mg2Si in an MgBi system by regulating Sr contents. 2014 , 16, 448-454	35
473	Nanomaterials engineering and applications in catalysis. 2014 , 86, 53-69	7

472	Dual Symmetry Breaking in Gold-Silica-Gold Multilayer Nanoshells. 2014 , 9, 1361-1369	10
471	High-yield synthesis of triangular gold nanoplates with improved shape uniformity, tunable edge length and thickness. 2014 , 6, 6496-500	70
47°	Effect of metal ions on the morphology of silver nanocrystals. 2014 , 4, 21571-21574	1
469	Localized surface plasmon resonance (LSPR) biosensing using gold nanotriangles: detection of DNA hybridization events at room temperature. 2014 , 139, 4964-73	56
468	Simple and rapid green synthesis of micrometer scale single crystalline gold nanoplates using chitosan as the reducing agent. 2014 , 406, 12-17	12
467	Insights into formation kinetics of gold nanoparticles using the classical JMAK model. 2014 , 441, 23-29	19
466	Langmuir analysis of nanoparticle polyvalency in DNA-mediated adsorption. 2014 , 53, 9532-8	32
465	Single step synthesis of pluronic stabilized IR responsive gold nanoplates. 2014 , 4, 36006	7
464	Alkyne-functionalized superstable graphitic silver nanoparticles for Raman imaging. 2014 , 136, 13558-61	133
463	Synthesis of silver nanoprisms: A photochemical approach using light emission diodes. 2014 , 148, 1184-1193	37
463 462	Synthesis of silver nanoprisms: A photochemical approach using light emission diodes. 2014 , 148, 1184-1193 Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014 , 15, 3608-16	36
	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering.	
462	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014, 15, 3608-16 One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing	36
462 461	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014, 15, 3608-16 One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing Gold Nanoparticles. 2014, 118, 4267-4274	36
462 461 460	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014, 15, 3608-16 One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing Gold Nanoparticles. 2014, 118, 4267-4274 Thermal synthesis of silver nanoplates revisited: a modified photochemical process. 2014, 8, 10252-61 Preparation, characterization, catalytic performance and antibacterial activity of Ag	36 21 49
462 461 460 459	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014, 15, 3608-16 One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing Gold Nanoparticles. 2014, 118, 4267-4274 Thermal synthesis of silver nanoplates revisited: a modified photochemical process. 2014, 8, 10252-61 Preparation, characterization, catalytic performance and antibacterial activity of Ag photodeposited on monodisperse ZnO submicron spheres. 2014, 72, 171-178 Site-specific growth of a Pt shell on Au nanoplates: tailoring their surface plasmonic behavior. 2014,	36 21 49
462 461 460 459 458	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. 2014, 15, 3608-16 One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing Gold Nanoparticles. 2014, 118, 4267-4274 Thermal synthesis of silver nanoplates revisited: a modified photochemical process. 2014, 8, 10252-61 Preparation, characterization, catalytic performance and antibacterial activity of Ag photodeposited on monodisperse ZnO submicron spheres. 2014, 72, 171-178 Site-specific growth of a Pt shell on Au nanoplates: tailoring their surface plasmonic behavior. 2014, 6, 7339-45 Photochemistry at the Surface of Gold Nanoprisms from Surface-Enhanced Raman Scattering	36 21 49 14 29

454	Surface enhanced Raman scattering with gold nanoparticles: effect of particle shape. 2014 , 6, 9116-9123	174
453	Optical Properties of Gold Nanorattles: Evidences for Free Movement of the Inside Solid Nanosphere. 2014 , 118, 10321-10328	18
452	Shape evolution in BrustBchiffrin synthesis of Au nanoparticles. 2014 , 118, 196-199	17
451	Kinetic effects in the photomediated synthesis of silver nanodecahedra and nanoprisms: combined effect of wavelength and temperature. 2014 , 6, 7295-302	17
450	Plasmonic nanoparticles: fabrication, simulation and experiments. 2014 , 47, 213001	63
449	Engineered Gold Nanoparticles as Contrast Agents for Biological Medical Imaging. 2014 , 277-306	
448	Anisotrope Gold-Nanopartikel: Synthese, Eigenschaften, Anwendungen und ToxizitEl 2014 , 126, 1784-1818	33
447	Wet-chemical Passivation of Anisotropic Plasmonic Nanoparticles for LSPR-sensing by a Silica Shell. 2015 , 2, 33-40	4
446	Super-radiant plasmon mode is more efficient for SERS than the sub-radiant mode in highly packed 2D gold nanocube arrays. 2015 , 143, 074703	6
445	Two-Dimensional Au Nanocrystals: Shape/Size Controlling Synthesis, Morphologies, and Applications. 2015 , 32, 796-808	31
445		73
	Applications. 2015, 32, 796-808 Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and	
444	Applications. 2015, 32, 796-808 Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and Plasmonic Activity. 2015, 25, 5435-5443 Transformation of truncated gold octahedrons into triangular nanoprisms through the	73
444	Applications. 2015, 32, 796-808 Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and Plasmonic Activity. 2015, 25, 5435-5443 Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. 2015, 7, 6827-35 Fine-tuning the LSPR response of gold nanorod-polyaniline core-shell nanoparticles with high	73
444 443 442	Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and Plasmonic Activity. 2015, 25, 5435-5443 Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. 2015, 7, 6827-35 Fine-tuning the LSPR response of gold nanorod-polyaniline core-shell nanoparticles with high photothermal efficiency for cancer cell ablation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5189-5196 Misalign-dependent double plasmon modes \(\text{BwitchIbf} \) gold triangular nanoplate dimers. <i>Journal</i>	73 25 33
444 443 442 441	Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and Plasmonic Activity. 2015, 25, 5435-5443 Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. 2015, 7, 6827-35 Fine-tuning the LSPR response of gold nanorod-polyaniline core-shell nanoparticles with high photothermal efficiency for cancer cell ablation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5189-5196 Misalign-dependent double plasmon modes BwitchIbf gold triangular nanoplate dimers. <i>Journal of Applied Physics</i> , 2015, 117, 063102 2.5	73 25 33 9
444 443 442 441 440	Etching-Free Epitaxial Growth of Gold on Silver Nanostructures for High Chemical Stability and Plasmonic Activity. 2015, 25, 5435-5443 Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. 2015, 7, 6827-35 Fine-tuning the LSPR response of gold nanorod-polyaniline core-shell nanoparticles with high photothermal efficiency for cancer cell ablation. Journal of Materials Chemistry B, 2015, 3, 5189-5196 Misalign-dependent double plasmon modes Bwitchlbf gold triangular nanoplate dimers. Journal of Applied Physics, 2015, 117, 063102 Silver nanoprisms self-assembly on differently functionalized silica surface. 2015, 77, 012006 Modified photodeposition of uniform Ag nanoparticles on TiO2 with superior catalytic and	73 25 33 9

436	Localized Surface Plasmon Resonance of Silver Nanotriangles Synthesized by a Versatile Solution Reaction. 2015 , 10, 1058		43
435	Synthesis under mild conditions and high catalytic property of bimetal Nitu/SiO2 hollow spheres. 2015 , 5, 102436-102440		10
434	Diverse Near-Infrared Resonant Gold Nanostructures for Biomedical Applications. 2015 , 213-243		1
433	Photochemical synthesis of different silver nanostructures. 2015 ,		2
432	Growth mechanism deconvolution of self-limiting supraparticles based on microfluidic system. 2015 , 9, 172-9		32
431	Computational cogitation of Cn@Al12 clusters. 2015 , 16, 233-42		4
430	Growth pathways of silver nanoplates in kinetically controlled synthesis: bimodal versus unimodal growth. 2015 , 5, 14266-14272		36
429	Enhanced antimicrobial activity with faceted silver nanostructures. 2015 , 50, 2849-2858		23
428	A Facile Solvothermal Synthesis of Octahedral Fe3 O4 Nanoparticles. <i>Small</i> , 2015 , 11, 2649-53	11	41
427	Gold nanoparticles for photoacoustic imaging. 2015 , 10, 299-320		367
427 426	Gold nanoparticles for photoacoustic imaging. 2015 , 10, 299-320 A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015 , 5, 12498-12505		367 8
	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates.		
426	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015 , 5, 12498-12505		8
426 425	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015 , 5, 12498-12505 Positively charged, surfactant-free gold nanoparticles for nucleic acid delivery. 2015 , 5, 17862-17871 Uniform circular disks with synthetically tailorable diameters: two-dimensional nanoparticles for		8
426 425 424	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015, 5, 12498-12505 Positively charged, surfactant-free gold nanoparticles for nucleic acid delivery. 2015, 5, 17862-17871 Uniform circular disks with synthetically tailorable diameters: two-dimensional nanoparticles for plasmonics. 2015, 15, 1012-7 Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of		8 22 75
426 425 424 423	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015, 5, 12498-12505 Positively charged, surfactant-free gold nanoparticles for nucleic acid delivery. 2015, 5, 17862-17871 Uniform circular disks with synthetically tailorable diameters: two-dimensional nanoparticles for plasmonics. 2015, 15, 1012-7 Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of hydrogen peroxide. 2015, 153, 127-134		8 22 75 33
426 425 424 423 422	A high yield, controllable process for producing tunable near infrared-absorbing gold nanoplates. 2015, 5, 12498-12505 Positively charged, surfactant-free gold nanoparticles for nucleic acid delivery. 2015, 5, 17862-17871 Uniform circular disks with synthetically tailorable diameters: two-dimensional nanoparticles for plasmonics. 2015, 15, 1012-7 Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of hydrogen peroxide. 2015, 153, 127-134 Size-controlled synthesis of Pd nanosheets for tunable plasmonic properties. 2015, 17, 1833-1838 Silver nanoprism etching-based plasmonic ELISA for the high sensitive detection of		8 22 75 33 63

418	Interaction between Nanoprisms with Different Coupling Strength. 2015 , 119, 6195-6203	18
417	Unravelling kinetic and thermodynamic effects on the growth of gold nanoplates by liquid transmission electron microscopy. 2015 , 15, 2574-81	105
416	Anisotropic Gold Nanoparticles: Preparation, Properties, and Applications. 2015, 69-118	2
415	Achieving Site-Specificity in Multistep Colloidal Synthesis. 2015 , 137, 7624-7	66
414	Synthesis of silver nanoprisms on reduced graphene oxide for high-performance catalyst. 2015 , 69, 43-47	32
413	Control of Electron Beam-Induced Au Nanocrystal Growth Kinetics through Solution Chemistry. 2015 , 15, 5314-20	88
412	Substrate directed self-assembly of anisotropic nanoparticles. 2015 , 121, 16-22	4
411	ZrO2@Ag composite catalyst for hydrogenation reduction of organic dye: Preparation and characterization as well as catalytic performance evaluation. 2015 , 41, 12453-12458	8
410	Photochemically grown silver nanodecahedra with precise tuning of plasmonic resonance. 2015 , 7, 12706-12	21
409	Photocatalytic Enhancements to the Reduction of 4-Nitrophenol by Resonantly Excited Triangular Gold©opper Nanostructures. 2015 , 119, 17308-17315	62
408	Dextrin-mediated synthesis of Ag NPs for colorimetric assays of Cu(2+) ion and Au NPs for catalytic activity. 2015 , 80, 309-16	24
407	Selective deposition of HgS at the corner sites of triangular silver nanoprism and its tunable LSPR for colorimetric Hg2+ detection. 2015 , 221, 1182-1187	21
406	Sensing using plasmonic nanostructures and nanoparticles. 2015 , 26, 322001	169
405	Nested-Batch-Mode Learning and Stochastic Optimization with An Application to Sequential MultiStage Testing in Materials Science. 2015 , 37, B361-B381	18
404	Simple preparation of Pd-NP/polythiophene nanospheres for heterogeneous catalysis. 2015 , 456, 93-9	13
403	Manipulating the nickel shape and catalytic performance: from spheres to chains to urchins. 2015 , 17, 4343-4348	6
402	One-pot, green synthesis of gold nanoparticles by gelatin and investigation of their biological effects on Osteoblast cells. 2015 , 132, 122-31	44
401	Towards high quality triangular silver nanoprisms: improved synthesis, six-tip based hot spots and ultra-high local surface plasmon resonance sensitivity. 2015 , 7, 8048-57	64

Synthesis of inorganic dyes based on plasmonic silver nanoparticles for the visible and infrared 400 regions of the spectrum. 2015, 10, 25-33 Light-induced growth of various silver seed nanoparticles: A simple method of synthesis of 399 13 different silver colloidal SERS substrates. 2015, 625, 84-90 Complex Photonic Structures for Light Harvesting. Advanced Optical Materials, 2015, 3, 722-743 398 8.1 47 Triangular gold nanoplate growth by oriented attachment of Au seeds generated by strong field 397 55 laser reduction. 2015, 15, 3377-82 The effect of iodide on the synthesis of gold nanoprisms. 2015, 10, 1309-1318 396 11 Intrinsic anisotropic crystallization of gold into microplates. 2015, 17, 7824-7828 395 2 Characterization of Conventional One-Step Sodium Thiosulfate Facilitated Gold Nanoparticle 8 394 Synthesis. **2015**, 10, 940 Pt/FeDICore/Shell Triangular Nanoprisms by Heteroepitaxy: Facet Selectivity at the Pt-FeDI 393 27 Interface and the FeDD Duter Surface. 2015, 9, 10950-60 Gold Nanomaterials at Work in Biomedicine. 2015, 115, 10410-88 818 392 391 SERS Nanoparticles in Medicine: From Label-Free Detection to Spectroscopic Tagging. 2015, 115, 10489-529 576 Characteristics of localized surface plasmons excited on mixed monolayers composed of 390 12 self-assembled Ag and Au nanoparticles. 2015, 7, 15310-20 The Fault in Their Shapes: Investigating the Surface-Plasmon-Resonance-Mediated Catalytic 389 39 Activities of Silver Quasi-Spheres, Cubes, Triangular Prisms, and Wires. 2015, 31, 10272-8 Uricase-stimulated etching of silver nanoprisms for highly selective and sensitive colorimetric 388 64 detection of uric acid in human serum. 2015, 221, 1433-1440 Controllably tuning the near-infrared plasmonic modes of gold nanoplates for enhanced optical 387 coherence imaging and photothermal therapy. 2015, 5, 80709-80718 Why the aspect ratio? Shape equivalence for the extinction spectra of gold nanoparticles. 2015, 38, 116 386 3 Percolative silver nanoplates/PVDF nanocomposites: Bulk and surface electrical conduction. 2015, 385 78. 104-110 Determination of nanoparticles concentration by multivariate curve resolution. 2015, 141, 88-93 384 5 A regular rippled pattern formed by the molecular self-organization of polyvinylpyrrolidone encapsulated Ag nanoparticles: a high transmissive coating for efficiency enhancement of c-Si solar 383 cells. 2015, 5, 5667-5673

382	Hyperspectral dark-field microscopy of gold nanodisks. 2015 , 69, 15-20		14
381	The influence of edge and corner evolution on plasmon properties and resonant edge effect in gold nanoplatelets. 2015 , 17, 2641-50		13
380	A high yield, one-pot dialysis-based process for self-assembly of near infrared absorbing gold nanoparticles. 2015 , 441, 10-6		11
379	Real-time monitoring for the morphological variations of single gold nanorods. 2015 , 7, 511-7		27
378	Dispersion and self-orientation of gold nanoparticles in solgel hybrid silica loptical transmission properties. 2015 , 3, 1026-1034		32
377	Shape/size controlling syntheses, properties and applications of two-dimensional noble metal nanocrystals. 2016 , 10, 360-382		12
376	Polyvinylpyrrolidone-induced anisotropic growth of gold nanoprisms in plasmon-driven synthesis. 2016 , 15, 889-95		183
375	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. 2016 , 116, 10414-72		1046
374	The effect of visible-light intensity on shape evolution and antibacterial properties of triangular silver nanostructures. 2016 , 58, 454-460		6
373	Seedless Synthesis of Monodisperse Cuboctahedral Gold Nanoparticles with Tunable Sizes. <i>Chemistry of Materials</i> , 2016 , 28, 4962-4970	9.6	11
372	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. <i>Journal of Applied Physics</i> , 2016 , 119, 174301	2.5	10
371	Morphology modification of gold nanoparticles from nanoshell to C-shape: Improved surface enhanced Raman scattering. <i>Journal of Applied Physics</i> , 2016 , 119, 243104	2.5	8
370	Biosynthesis of Gold Nanoparticles Using Ocimum sanctum Extracts by Solvents with Different Polarity. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2651-2659	8.3	65
369	Single-Crystalline Ultrathin Nickel Nanosheets Array from In Situ Topotactic Reduction for Active and Stable Electrocatalysis. 2016 , 128, 703-707		31
368	Shape transformation of Ag nanospheres to triangular Ag nanoplates: Hydrogen peroxide is a magic reagent. 2016 , 169, 22-28		7
367	Fabrication and Formation Mechanism of Ag Nanoplate-Decorated Nanofiber Mats and Their Application in SERS. 2016 , 11, 86-92		16
366	Soy protein-directed one-pot synthesis of gold nanomaterials and their functional conductive devices. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3643-3650	7.3	21
365	Size, shape and surface chemistry of nano-gold dictate its cellular interactions, uptake and toxicity. 2016 , 83, 152-190		108

The role of oxygen in plasmon-driven transformation of silver nanoparticles. **2016**, 388, 710-715

363	Structural and Optical Properties of Discrete Dendritic Pt Nanoparticles on Colloidal Au Nanoprisms. 2016 , 120, 20843-20851		23
362	Protein-aided formation of triangular silver nanoprisms with enhanced SERS performance. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4182-4190	7.3	25
361	Role of shape in substrate-induced plasmonic shift and mode uncovering on gold nanocrystals. 2016 , 8, 17645-17657		41
360	The nature and implications of uniformity in the hierarchical organization of nanomaterials. 2016 , 113, 11717-11725		64
359	Silica-coated triangular gold nanoprisms as distance-dependent plasmon-enhanced fluorescence-based probes for biochemical applications. 2016 , 8, 18150-18160		13
358	Surface area-dependent second harmonic generation from silver nanorods. 2016 , 18, 23215-9		5
357	Colorimetric detection of catalase and catalase-positive bacteria (E. coli) using silver nanoprisms. 2016 , 8, 6625-6630		10
356	Thickness Control Produces Gold Nanoplates with Their Plasmon in the Visible and Near-Infrared Regions. <i>Advanced Optical Materials</i> , 2016 , 4, 76-85	8.1	69
355	Optical Properties of Hybrid Organic-Inorganic Materials and their Applications. 2016 , 26, 6506-6544		156
354	Colorimetric detection of hydrogen peroxide using silver nanoparticles with three different morphologies. 2016 , 8, 6691-6695		32
353	Gold nanostars for efficient in vitro and in vivo real-time SERS detection and drug delivery via plasmonic-tunable Raman/FTIR imaging. 2016 , 106, 87-97		100
352	Colloidal Synthesis and Applications of Plasmonic Metal Nanoparticles. 2016 , 28, 10508-10517		100
351	Ag modified g-C3N4 composites with enhanced visible-light photocatalytic activity for diclofenac degradation. 2016 , 423, 270-276		121
350	Two-Photon Cycloreversion Reaction of Diarylethene on Gold Nanotriangles. <i>Advanced Optical Materials</i> , 2016 , 4, 1385-1391	8.1	1
349	Two-Dimensional Colloidal Nanocrystals. 2016 , 116, 10934-82		321
348	Seed-mediated biomineralizaton toward the high yield production of gold nanoprisms. <i>Chemical Communications</i> , 2016 , 52, 9829-32	5.8	7
347	One-pot green synthesis of anisotropic silver nanoparticles. 2016 , 3, 1259-1264		16

(2016-2016)

346	shapes. 2016 , 6, 8289-8299	13
345	Out-of-Substrate Ag-AgO Nanoplates: Surfactantless Photochemical Synthesis, Structural Evolution, and Mechanistic Study. 2016 , 1, 696-705	9
344	Size controlled synthesis of gold nanostructures using ketones and their catalytic activity towards reduction of p-nitrophenol. 2016 , 120, 96-102	6
343	Gold nanoparticles as potent anticancer agent: green synthesis, characterization, and in vitro study. 2016 , 6, 63973-63983	67
342	Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. 2016, 27, 325704	3
341	Surface micro/nanostructure evolution of AuAg alloy nanoplates: Synthesis, simulation, plasmonic photothermal and surface-enhanced Raman scattering applications. 2016 , 9, 876-885	26
340	Nanoparticle shape, thermodynamics and kinetics. 2016 , 28, 053001	140
339	Glucose-functionalized Au nanoprisms for optoacoustic imaging and near-infrared photothermal therapy. 2016 , 8, 492-9	36
338	Seedless synthesis of gold nanorods using resveratrol as a reductant. 2016 , 27, 165601	17
337	Intertwining Roles of Silver Ions, Surfactants, and Reducing Agents in Gold Nanorod Overgrowth: Pathway Switch between Silver Underpotential Deposition and GoldBilver Codeposition. <i>Chemistry</i> 9.6 of Materials, 2016 , 28, 2728-2741	44
336	Solvent-Induced Morphological Changes of Polyhedral Silver Nanoparticles in Epoxy Resin. 2016 , 11, 1417-1426	8
335	Single-Crystalline Ultrathin Nickel Nanosheets Array from In Situ Topotactic Reduction for Active and Stable Electrocatalysis. 2016 , 55, 693-7	182
334	Heat generation and stability of a plasmonic nanogold system. 2016 , 49, 055302	9
333	Clusters of polyhedra in spherical confinement. 2016 , 113, E669-78	49
332	Seed-mediated growth of Au nanorings with size control on Pd ultrathin nanosheets and their tunable surface plasmonic properties. 2016 , 8, 3704-10	34
331	Factors influencing polyelectrolyte-aptamer multilayered films with target-controlled permeability for sensing applications. 2016 , 141, 3794-802	4
330	Ligand-exchange assisted preparation of plasmonic Au/TiO2 nanotube arrays photoanodes for visible-light-driven photoelectrochemical water splitting. 2016 , 303, 287-293	39

328	Observation of Size-Dependent Electron P honon Scattering and Temperature-Dependent Photoluminescence Quenching in Triangular-Shaped Silver Nanoparticles. 2016 , 11, 593-600	3
327	Magnetically tunable colloidal micromirrors. 2016 , 1, 64-68	17
326	High-yield halide-free synthesis of biocompatible Au nanoplates. <i>Chemical Communications</i> , 2016 , 52, 398-401	41
325	Gold nanoparticles and bioconjugation: a pathway for proteomic applications. 2017 , 37, 238-250	22
324	Understanding nanoparticle-mediated nucleation pathways of anisotropic nanoparticles. 2017 , 683, 389-392	11
323	Intermetallic Nanocrystals: Syntheses and Catalytic Applications. 2017 , 29, 1605997	246
322	Plasmon-coupled resonance energy transfer: A real-time electrodynamics approach. 2017 , 146, 064109	35
321	Direct Imaging of Single Plasmonic Metal Nanoparticles in Capillary with Laser Light-Sheet Scattering Imaging. 2017 , 89, 2692-2697	11
320	Tunable Synthesis of Ag Films at the Interface of Ionic Liquids and Water by Changing Cationic Structures of Ionic Liquids. 2017 , 17, 990-999	18
319	Catalytic Au Wool-Ball-Shaped Nanostructures. 2017 , 9, 2473-2479	1
318	Plant-mediated synthesis in a microfluidic chip yields spherical Ag nanoparticles and PSD simulation by a PBE-assisted strategy. 2017 , 92, 2546-2553	1
317	A Novel Photochemical Method for the Synthesis of Au Triangular Nanoplates inside Nanocavity of Mesoporous Silica Shells. 2017 , 121, 9572-9578	18
316	Mechanistic Roles of Hydroxide in Controlling the Deposition of Gold on Colloidal Silver Nanocrystals. <i>Chemistry of Materials</i> , 2017 , 29, 4014-4021	28
315	A facile synthesis of broad plasmon wavelength tunable silver nanoparticles in citrate aqueous solutions by laser ablation and light irradiation. 2017 , 527, 23-33	23
314	Antitumor Activity of Alloy and Core-Shell-Type Bimetallic AgAu Nanoparticles. 2017 , 12, 333	31
313	A Photochemical, Room-Temperature, and Aqueous Route to the Synthesis of Pd Nanocubes Enriched with Atomic Steps and Terraces on the Side Faces. <i>Chemistry of Materials</i> , 2017 , 29, 4563-4571 9.6	13
312	The Effect of shape on Cellular Uptake of Gold Nanoparticles in the forms of Stars, Rods, and Triangles. 2017 , 7, 3827	181
311	A Ligand-Exchange Route to Nobel Metal Nanocrystals with a Clean Surface for Enhanced Optical and Catalytic Properties. 2017 , 34, 1700075	21

310	Electrogenerated Chemiluminescence of Semiconductor Nanoparticles and Their Applications in Biosensors. 2017 , 4, 1573-1586	20
309	When lithography meets self-assembly: a review of recent advances in the directed assembly of complex metal nanostructures on planar and textured surfaces. 2017 , 28, 282002	70
308	Precise Control of the Lateral and Vertical Growth of Two-Dimensional Ag Nanoplates. 2017 , 23, 10001-10006	57
307	Polyelectrolytes with sulfonate groups obtained by chemical modification of chitosan useful in green synthesis of Au and Ag nanoparticles. 2017 , 134, 45240	8
306	Morphological changes from spherical silver nanoparticles to cubes after laser irradiation in acetone water solutions via spontaneous atom transportation process. 2017 , 529, 33-37	11
305	Synthesis and characterization of new tyrosine capped anisotropic silver nanoparticles and their exploitation for the selective determination of iodide ions. 2017 , 529, 128-136	8
304	Imaging the Site-Specific Activity and Kinetics on a Single Nanomaterial by Microchamber Array. 2017 , 7, 3607-3614	12
303	Light-directed growth of metal and semiconductor nanostructures. 2017 , 5, 5628-5642	14
302	Highly dispersed Ag/TiO2 via adsorptive self-assembly for bactericidal application. 2017, 7, 13347-13352	11
301	Gold Nanotriangle Formation through Strong-Field Laser Processing of Aqueous KAuCl and Postirradiation Reduction by Hydrogen Peroxide. 2017 , 33, 243-252	15
300	Multipolar Surface Magnetoplasmon Resonances in Triangular Silver Nanoprisms studied by MCD Spectroscopy. 2017 , 121, 761-768	18
299	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. 2017 , 129, 60-98	55
298	From gold nanoparticles to luminescent nano-objects: experimental aspects for better gold-chromophore interactions. 2017 , 6, 71-92	23
297	Seed-Mediated Growth of Colloidal Metal Nanocrystals. 2017 , 56, 60-95	428
296	Imaging the polymerization of multivalent nanoparticles in solution. <i>Nature Communications</i> , 2017 , 8, 761	58
295	Gold nanoshurikens with uniform sharp tips for chemical sensing by the localized surface plasmon resonance. 2017 , 9, 17037-17043	17
294	Branched Ag nanoplates: synthesis dictated by suppressing surface diffusion and catalytic activity for nitrophenol reduction. 2017 , 19, 6339-6346	7
293	Island Growth in the Seed-Mediated Overgrowth of Monometallic Colloidal Nanostructures. 2017 , 3, 678-690	41

292	Purcell effect in triangular plasmonic nanopatch antennas with three-layer colloidal quantum dots. 2017 , 105, 577-581		14
291	Building Materials from Colloidal Nanocrystal Assemblies: Molecular Control of Solid/Solid Interfaces in Nanostructured Tetragonal ZrO2. <i>Chemistry of Materials</i> , 2017 , 29, 7888-7900	9.6	11
2 90	Colloidal nanoparticle size control: experimental and kinetic modeling investigation of the ligand-metal binding role in controlling the nucleation and growth kinetics. 2017 , 9, 13772-13785		104
289	Surfactant-Free Vapor-Phase Synthesis of Single-Crystalline Gold Nanoplates for Optimally Bioactive Surfaces. <i>Chemistry of Materials</i> , 2017 , 29, 8747-8756	9.6	22
288	Coated triangular Ag nanoprisms as optical sensors: control of stability and spectral response with a thermo-responsive polymer. 2017 , 9, 4663-4672		4
287	A systematic study of triangular silver nanoplates: one-pot green synthesis, chemical stability, and sensing application. 2017 , 9, 11705-11712		45
286	Engineering Single Nanopores on Gold Nanoplates by Tuning Crystal Screw Dislocation. 2017 , 29, 1703	3102	15
285	Controlled formation of gold nanostructures on biopolymer films upon electromagnetic radiation. 2017 , 28, 415601		11
284	Photochemical formation of chitosan-stabilized near-infrared-absorbing silver Nanoworms: A "Green" synthetic strategy and activity on Gram-negative pathogenic bacteria. 2017 , 507, 437-452		11
283	Deep Fano resonance with strong polarization dependence in gold nanoplate-nanosphere heterodimers. 2017 , 9, 13222-13234		16
282	Spectroscopic properties of triangular silver nanoplates immobilized on polyelectrolyte multilayer-modified glass substrates. 2017 , 7, 181-186		4
281	Insights in the Diffusion Controlled Interfacial Flow Synthesis of Au Nanostructures in a Microfluidic System. 2017 , 33, 14315-14324		17
280	Triangular silver nanoplates as a spectrophotometric reagent for the determination of mercury(II). 2017 , 72, 1203-1207		14
279	Preparation of reagent indicator papers with silver triangular nanoplates for chemical analysis. 2017 , 72, 167-173		7
278	Synthesis of triangular silver nanoprisms and spectroscopic analysis on the interaction with bovine serum albumin. 2017 , 409, 5327-5336		10
277	Simple Characterization of Green-Synthesized Silver Nanoparticles by Capillary Electrophoresis. 2017 , 80, 1459-1466		2
276	Localized Surface Plasmon Resonance Dependence on Misaligned Truncated Ag Nanoprism Dimer. 2017 , 12, 430		5
275	Site-Selective Growth of AgPd Nanodendrite-Modified Au Nanoprisms: High Electrocatalytic Performance for CO2 Reduction. <i>Chemistry of Materials</i> , 2017 , 29, 6030-6043	9.6	37

274	Controllable Biosynthesis and Properties of Gold Nanoplates Using Yeast Extract. 2017 , 9, 5		34
273	A Study on Antimicrobial Effects of Nanosilver for Drinking Water Disinfection. 2017 ,		1
272	Synergistic enhancement via plasmonic nanoplate-bacteria-nanorod supercrystals for highly efficient SERS sensing of food-borne bacteria. 2017 , 239, 515-525		29
271	Synthesis and Characterization of Silver Nanoparticles Prepared with Honey: The Role of Carbohydrates. 2017 , 50, 877-888		19
270	Ultrasensitive visual and colorimetric determination of dopamine based on the prevention of etching of silver nanoprisms by chloride. 2017 , 184, 415-421		28
269	Surface plasmon damping effects due to Ti adhesion layer in individual gold nanodisks. 2017 , 7, 73		24
268	Advanced engineering of single-crystal gold nanoantennas. 2017 , 7, 1157		19
267	Metal-semiconductor coreShell nanostructured photocatalysts for environmental applications and their recycling process. 2017 , 133-157		2
266	Antibacterial properties and toxicity from metallic nanomaterials. 2017, 12, 3941-3965		266
265	Multifunctional therapeutic hybrid nanocarriers for targeted and triggered drug delivery: recent trends and future prospects. 2017 , 461-493		
264	Optical Properties of Hybrid Organic[horganic Materials and their Applications [Part II: Nonlinear Optics and Plasmonics. 2017 , 317-355		
263	Metal nanocrystal-based sensing platform for the quantification of water in water-ethanol mixtures. 2018 , 263, 59-68		20
262	Comparison of Triangular Silver Nanoprisms with Different Capping Agents and Structural Size for H2O2 Etching-Based Biosensors. 2018 , 13, 1850022		6
261	Water-based synthesis of gold and silver nanoparticles with cuboidal and spherical shapes using luteolin tetraphosphate at room temperature. 2018 , 5, 917-932		9
260	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. <i>ACS Applied Materials & Amp; Interfaces</i> , 2018 , 10, 11152-11163	9.5	99
259	Progress in the synthesis of Ag nanoparticles having manifold geometric forms. 2018 , 38, 21-42		3
258	Cluster Expansion Method for Simulating Realistic Size of Nanoparticle Catalysts with an Application in CO2 Electroreduction. 2018 , 122, 9245-9254		12
257	Emergence of two near-infrared windows for in vivo and intraoperative SERS. 2018, 45, 95-103		31

256	A Facile Room Temperature Synthesis of Large Silver Nanoplates with Low Cytotoxicity. 2018 , 3, 1801-1808	7
255	A simple approach towards citrate-stabilized Ag nanoparticles with widely tunable sizes. 2018 , 540, 143-149	2
254	The synthesis of high yield Au nanoplate and optimized optical properties. 2018, 114, 124-142	17
253	Photocatalytic Activity of Reduced Graphene Oxide L old Nanoparticle Nanomaterials: Interaction with Asphaltene and Conversion of a Model Compound. 2018 , 32, 2673-2680	13
252	2D Single-Crystalline Copper Nanoplates as a Conductive Filler for Electronic Ink Applications. <i>Small</i> , 2018 , 14, 1703312	32
251	Spontaneous protein desorption from self-assembled monolayer (SAM)-coated gold nanoparticles. 2017 , 20, 68-74	4
250	Geometry Effect on Plasmon Frequency in Triangular Nanoprism. 2018 , 13, 1759-1765	3
249	Colorimetric and fluorometric determination of uric acid based on the use of nitrogen-doped carbon quantum dots and silver triangular nanoprisms. 2018 , 185, 281	24
248	Quantitative study of the capture of silver nanoparticles by several kinds of soils. 2018, 630, 1226-1236	17
247	Photocatalytic, biodiesel, electrochemical sensing properties and formylation reactions of ZnO nanoparticles synthesized via eco-friendly green synthesis method. 2018 , 29, 8747-8759	19
246	Stability and morphology of Ag nanoplatelets probed by depolarized dynamic light scattering. 2018 , 29, 265701	4
245	Synthesis of ultrathin platinum nanoplates for enhanced oxygen reduction activity. 2018 , 9, 398-404	63
244	Two-step photochemical inorganic approach to the synthesis of Ag-CeO2 nanoheterostructures and their photocatalytic activity on tributyltin degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry,</i> 2018 , 351, 29-41	16
243	Computational approaches to cell-nanomaterial interactions: keeping balance between therapeutic efficiency and cytotoxicity. 2018 , 3, 6-27	33
242	Influence of Cetyltrimethylammonium Bromide on Gold Nanocrystal Formation Studied by In Situ Liquid Cell Scanning Transmission Electron Microscopy. 2018 , 122, 2350-2357	12
241	Simple and selective paper-based colorimetric sensor for determination of chloride ion in environmental samples using label-free silver nanoprisms. 2018 , 178, 134-140	56
240	The formation mechanism of chiral carbon nanotubes. 2018 , 530, 277-282	3
239	Accumulation and interparticle connections of triangular Ag-coated Au nanoprisms by oil-coating method for surface-enhanced Raman scattering applications. 2018 , 435, 687-698	5

238	Synthesis and stabilization of Au nanoparticles in colloidal solution using macroelectrolytes with sulfonic acid groups. 2018 , 135, 45888	3
237	Towards highly selective detection using metal nanoparticles: A case of silver triangular nanoplates and chlorine. 2018 , 176, 406-411	22
236	Impact of nanogold morphology on interactions with human serum. 2018 , 20, 29558-29565	14
235	The localized surface plasmon resonance induced edge effect of gold regular hexagonal nanoplates for reaction progress monitoring. <i>Chemical Communications</i> , 2018 , 54, 13359-13362	12
234	Construction of Long Narrow Gaps in Ag Nanoplates. 2018 , 140, 15560-15563	66
233	Carving growing nanocrystals: coupling seed-mediated growth with oxidative etching. 2018, 10, 18457-18462	5
232	Colorimetric sensing of dopamine using hexagonal silver nanoparticles decorated by task-specific pyridinum based ionic liquid. 2018 , 271, 64-72	26
231	Mechanism and modeling of poly[vinylpyrrolidone] (PVP) facilitated synthesis of silver nanoplates. 2018 , 20, 15507-15517	8
230	pH-Induced silver nanoprism etching-based multichannel colorimetric sensor array for ultrasensitive discrimination of thiols. 2018 , 270, 187-191	64
229	Prereduction-promoted enhanced growth of silver nanoparticles for ultrasensitive colorimetric detection of alkaline phosphatase and carbohydrate antigen 125. 2018 , 189, 129-136	19
228	Sensitive and Highly Selective Biosensor Based on Triangular Au Nanoplates for Detection of Uric Acid in Human Serum. 2018 , 1, 29-35	10
227	Density-functional tight-binding approach for metal clusters, nanoparticles, surfaces and bulk: application to silver and gold. 2018 , 30, 303001	16
226	Nanoporous Ag-Au Bimetallic Triangular Nanoprisms Synthesized by Galvanic Replacement for Plasmonic Applications. 2018 , 2018, 1-7	5
225	Syntheses and Properties of Metal Nanomaterials with Novel Crystal Phases. 2018, 30, e1707189	103
224	Two-Dimensional Metal Nanomaterials: Synthesis, Properties, and Applications. 2018, 118, 6409-6455	467
223	Plasmon-Enhanced Multicarrier Photocatalysis. 2018 , 18, 4370-4376	46
222	Tapping Opportunity of Tiny-Shaped Particles and Role of Precursor in Developing Shaped Particles. 2018 , 13, 1850073	8
221	Plasmonic and sensing properties of vertically oriented hexagonal gold nanoplates. 2018 , 10, 15058-15070	13

220	Quantifying Photothermal and Hot Charge Carrier Effects in Plasmon-Driven Nanoparticle Syntheses. 2018 , 12, 8447-8455	47
219	Synthesis of octahedral gold tip-blobbed nanoparticles and their dielectric sensing properties. 2018 , 29, 375602	4
218	A highly sensitive plasmonic sensor for detection of selenium based on the shape transformation of silver nanoprisms. 2018 , 273, 1307-1312	16
217	Nanocrystalline cellulose as reducing- and stabilizing agent in the synthesis of silver nanoparticles: Application as a surface-enhanced Raman scattering (SERS) substrate. 2018 , 13, 1-10	28
216	Fabrication of Sharp Gold Tips by Three-Electrode Electrochemical Etching with High Controllability and Reproducibility. 2018 , 122, 16950-16955	31
215	Intracellular Transport of Silver and Gold Nanoparticles and Biological Responses: An Update. 2018 , 19,	64
214	Controlling the 3D Electromagnetic Coupling in Co-Sputtered Ag?SiO[Nanomace Arrays by Lateral Sizes. <i>Nanomaterials</i> , 2018 , 8,	4
213	A dual-mode probe for colorimetric and fluorometric detection of cysteine based on phosphorus/nitrogen co-doped CQDs and gold nanorods. 2018 , 273, 1627-1634	22
212	Enhanced Near-Infrared Shielding and Light Scattering Using Surface-Roughened Hybrid Hollow Microparticles Synthesized with Polymer and TiO2@Al(OH)3 for Cosmetic Applications. 2018 , 35, 1800057	3
211	Preparation of triangular silver nanoplates by silver seeds capped with citrate-CTA 2018 , 8, 28934-28943	12
210	Protein Scaffolds. 2018,	
209	Synthesis of Triangular Silver and Gold Nanoprisms Using Consensus Sequence Tetratricopeptide Repeat Proteins. 2018 , 1798, 141-153	1
208	Gold nanoparticles for cancer diagnostics, spectroscopic imaging, drug delivery, and plasmonic photothermal therapy. 2018 , 41-91	7
207	Probing the biological obstacles of nanomedicine with gold nanoparticles. 2019 , 11, e1542	34
206	Rational Calibration Strategy for Accurate and Sensitive Colorimetric Detection of Iodide and l-Thyroxine Based on Gold Triangular Nanoplates. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15230-15237	9
205	Single-particle Correlation Study: Polarization-dependent Differential Interference Contrast Imaging of Two-dimensional Gold Nanoplates. 2019 , 35, 1237-1241	1
204	Plasmon-Mediated Synthesis of Periodic Arrays of Gold Nanoplates Using Substrate-Immobilized Seeds Lined with Planar Defects. 2019 , 19, 5653-5660	32
203	Full-Color Scattering Based on Plasmon and Mie Resonances of Gold Nanoparticles Modulated by Fabry Pfot Interference for Coloring and Image Projection. 2019 , 2, 5071-5078	7

202	Improving the Shape Yield and Long-Term Stability of Gold Nanoprisms with Poly(vinylpyrrolidone). 2019 , 35, 9777-9784		8
201	Self-Assembled Nanostructures Formation in Hybrid Metal-Mesogenic Systems. 2019 ,		
200	Thermal Reshaping of Gold Microplates: Three Possible Routes and Their Transformation Mechanisms. <i>ACS Applied Materials & Damp; Interfaces</i> , 2019 , 11, 41813-41820	.5	7
199	Seed mediated synthesis of highly stable CTAB capped triangular silver nanoplates for LSPR sensing. 2019 , 6, 105075		12
198	Ag and WOx Nanoparticles Embedded in Mesoporous SiO2 for Cyclohexane Oxidation. 2019 , 2, 5989-599	9	8
197	High yield synthesis and surface chemistry exchange of small gold hexagonal nanoprisms. <i>Chemical Communications</i> , 2019 , 55, 11422-11425	.8	5
196	Air pockets and secondary habits in ice from lateral-type growth. 2019,		1
195	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. 2019 , 311-312, 170-189		102
194	Glycyrrhiza polysaccharide-mediated synthesis of silver nanoparticles and their use for the preparation of nanocomposite curdlan antibacterial film. 2019 , 141, 422-430		24
193	Organic Templates for Inorganic Nanocrystal Growth. 2019 , 2, 38-54		14
192	Seeded growth of gold nanoparticles in aqueous solution of cationic gemini surfactants with different spacer length: influences of molecular and aggregate structures. 2019 , 21, 1		2
191	Silver-Based Plasmonic Nanoparticles for and Their Use in Biosensing. 2019 , 9,		135
190	Robust Synthesis of Gold Nanotriangles and their Self-Assembly into Vertical Arrays. 2019, 8, 705-711		10
189	Experimental and Theoretical Structural Characterization of CuAu Tripods for Photothermal Anticancer Therapy. 2019 , 2, 3735-3742		11
188	The role of trace Ag in the synthesis of Au nanorods. 2019 , 11, 11744-11754		16
187	A review of developments and applications of thin-film microextraction coupled to surface-enhanced Raman scattering. 2019 , 40, 2041-2049		9
186	Robust Synthesis of Size-Dispersal Triangular Silver Nanoprisms via Chemical Reduction Route and Their Cytotoxicity. <i>Nanomaterials</i> , 2019 , 9,	·4	6
185	Laser illumination-induced dramatic catalytic activity change on Au nanospheres. 2019 , 10, 5793-5800		12

184	Nanomaterials for molecular sensing. 2019 , 413-487		2
183	Electromagnetic plasmonic field of nanoparticles tune the band gap of two-dimensional semiconducting materials. 2019 , 7, 3675-3687		5
182	Deliberate Introduction of Particle Anisotropy in Helical Gold Nanoparticle Superstructures. 2019 , 36, 1800504		8
181	Spectral-Selective Plasmonic Polymer Nanocomposites Across the Visible and Near-Infrared. 2019 , 13, 4255-4266		7
180	Colorimetric Determination Of Hydrogen Peroxide Based on Localized Surface Plasmon Resonance of Silver Nanoprisms Using a Microchannel Chip. 2019 , 52, 1939-1950		10
179	Hollow anisotropic semiconductor nanoprisms with highly crystalline frameworks for high-efficiency photoelectrochemical water splitting. 2019 , 7, 8061-8072		11
178	Amplification of SERS flot spots(by silica clustering in a silver-nanoparticle/nanocrystalline-cellulose sensor applied in malachite green detection. 2019 , 570, 156-164		31
177	Photochemical Synthesis and Catalytic Applications of Gold Nanoplates Fabricated Using Quercetin Diphosphate Macromolecules. 2019 , 4, 6511-6520		9
176	A New Type of Capping Agent in Nanoscience: Metal Cations. Small, 2019, 15, e1900444	11	4
175	Silver Nanoparticles: Synthesis and Application for Nanomedicine. 2019 , 20,		498
175 174	Silver Nanoparticles: Synthesis and Application for Nanomedicine. 2019, 20, Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019, 542, 370-378		498 18
	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward		
174	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019 , 542, 370-378 Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating	2.5	18
174 173	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019 , 542, 370-378 Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating Modulation. 2018 , 6, 677 Nanotriangle-based gap-enhanced Raman tags for bioimaging and photothermal therapy. <i>Journal</i>	2.5	18
174 173 172	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019, 542, 370-378 Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating Modulation. 2018, 6, 677 Nanotriangle-based gap-enhanced Raman tags for bioimaging and photothermal therapy. <i>Journal of Applied Physics</i> , 2019, 125, 073102 Dynamic gas extraction of iodine in combination with a silver triangular nanoplate-modified paper	2.5	18 3 11
174 173 172	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019, 542, 370-378 Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating Modulation. 2018, 6, 677 Nanotriangle-based gap-enhanced Raman tags for bioimaging and photothermal therapy. <i>Journal of Applied Physics</i> , 2019, 125, 073102 Dynamic gas extraction of iodine in combination with a silver triangular nanoplate-modified paper strip for colorimetric determination of iodine and of iodine-interacting compounds. 2019, 186, 188 Lateral facet growth of ice and snow (Part 1: Observations and applications to secondary habits.	2.5	18 3 11 8
174 173 172 171 170	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. 2019, 542, 370-378 Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating Modulation. 2018, 6, 677 Nanotriangle-based gap-enhanced Raman tags for bioimaging and photothermal therapy. <i>Journal of Applied Physics</i> , 2019, 125, 073102 Dynamic gas extraction of iodine in combination with a silver triangular nanoplate-modified paper strip for colorimetric determination of iodine and of iodine-interacting compounds. 2019, 186, 188 Lateral facet growth of ice and snow IPart 1: Observations and applications to secondary habits. 2019, 19, 15285-15320 DNA-Capped Silver Nanoflakes as Fluorescent Nanosensor for Highly Sensitive Imaging of	2.5	18 3 11 8 5

(2020-2019)

166	NEW NANOCOMPOSITE MATERIAL BASED ON POLYURETHANE FOAM MODIFIED WITH SILVER TRIANGULAR NANOPLATES AS A SOLID-PHASE ANALYTICAL REAGENT FOR DETERMINATION OF MERCURY(II). 2019 , 14, 91-97	2
165	Elemental silver nano-sized crystals: various geometric forms and their specific growth parameters. 2019 , 25, 54-75	2
164	Bacteria and nanosilver: the quest for optimal production. 2019 , 39, 272-287	13
163	A sensitive colorimetric probe for detection of 6-thioguanine based on its protective effect on the silver nanoprisms. 2019 , 210, 30-35	7
162	Multiscale Modeling and Simulation of Nano-Carriers Delivery through Biological Barriers Review. 2019 , 2, 1800105	25
161	Gold Nanoparticles in Cancer Treatment. 2019 , 16, 1-23	213
160	Electrical Conductivity, Selective Adhesion, and Biocompatibility in Bacteria-Inspired Peptide-Metal Self-Supporting Nanocomposites. 2019 , 31, e1807285	17
159	Defect-Assisted Deposition of Au on Ag for the Fabrication of CoreBhell Nanocubes with Outstanding Chemical and Thermal Stability. <i>Chemistry of Materials</i> , 2019 , 31, 1057-1065	6
158	Synthesis of silver nanotriangles with tunable edge length: a promising candidate for light harvesting purposes within visible and nearInfrared ranges. 2019 , 6, 036204	13
157	Optical Sensing Platform for the Colorimetric Determination of Silver Nanoprisms and Its Application for Hydrogen Peroxide and Glucose Detections Using a Mobile Device Camera. 2019 , 35, 271-276	11
156	Synthesis of silver nanoparticles with different shapes. 2019 , 12, 1823-1838	189
155	Magnetic Circular Dichroism in Nanomaterials: New Opportunity in Understanding and Modulation of Excitonic and Plasmonic Resonances. 2020 , 32, e1801491	41
154	Colorimetric captopril assay based on oxidative etching-directed morphology control of silver nanoprisms. 2020 , 187, 107	11
153	Seeded growth of silver nanoplates with rough edges and their applications for SERS. 2020 , 22, 173-177	2
152	Synthesis of Photothermally Stable Triangular Silver Nanoplates for SERS Applications, Photokilling of Bacteria. 2020 , 6, 148-153	4
151	Ultrasharp LSPR Temperature Sensor Based on Grapefruit Fiber Filled With a Silver Nanoshell and Liquid. 2020 , 38, 2015-2021	7
150	Facile Synthesis of Pdfu Bimetallic Twin Nanocubes and a Mechanistic Understanding of the Shape Evolution. 2020 , 6, 386-391	1
149	Two-dimensional Noble Metal Nanomaterials for Electrocatalysis. 2020 , 36, 597-610	3

148	Growth of AuNPs on Glass Nanofibers for SERS Sensors. <i>ACS Applied Materials & Description</i> (9-5) 2020 , 12, 55349-55361	5	6
147	Etching-controlled suppression of fluorescence resonance energy transfer between nitrogen-doped carbon dots and Ag nanoprisms for glucose assay and diabetes diagnosis. 2020 , 242, 118713		6
146	One-Step Preparation of Biocompatible Gold Nanoplates with Controlled Thickness and Adjustable Optical Properties for Plasmon-Based Applications. 2020 , 30, 2003512		12
145	Gold-based Inorganic Nanohybrids for Nanomedicine Applications. 2020 , 10, 8061-8079		13
144	Copper-based nanocatalysts for nitroarene reduction-A review of recent advances. 2020 , 121, 108181		10
143	Development of Ag nanoparticles on the surface of Ti powders by chemical reduction method and investigation of their antibacterial properties. 2020 , 533, 147494		8
142	Shining Light on Aluminum Nanoparticle Synthesis. 2020 , 53, 2020-2030		12
141	InorganicBrganic core/shell nanoparticles: progress and applications. 2020 , 2, 5090-5105		21
140	A Comparative Study on the Oxidation of Label-Free Silver Triangular Nanoplates by Peroxides: Main Effects and Sensing Applications. 2020 , 20,		1
139	Tuning of Ag Nanoparticle Properties in Cellulose Nanocrystals/Ag Nanoparticle Hybrid Suspensions by HO Redox Post-Treatment: The Role of the HO/AgNP Ratio. <i>Nanomaterials</i> , 2020 , 5 10,	4	4
138	Truncated Triangular Silver Nanoparticles using low concentration of CTAB. 2020, 956, 012011		
137	Site-Selective Nanoreactor Deposition on Photocatalytic Al Nanocubes. 2020 , 20, 4550-4557		16
136	Hexagonal phase into Au plate-like particles: A precession electron diffraction study. 2020 , 164, 110313		4
135	Atomic Scale Mechanisms Underlying Thermal Reshaping of Anisotropic Gold Nanocrystals Revealed by in Situ Electron Microscopy. 2020 , 124, 12855-12863		6
135 134	Atomic Scale Mechanisms Underlying Thermal Reshaping of Anisotropic Gold Nanocrystals		1
	Atomic Scale Mechanisms Underlying Thermal Reshaping of Anisotropic Gold Nanocrystals Revealed by in Situ Electron Microscopy. 2020 , 124, 12855-12863 Spectrophotometric determination of epinephrine using new analytical systems based on		
134	Atomic Scale Mechanisms Underlying Thermal Reshaping of Anisotropic Gold Nanocrystals Revealed by in Situ Electron Microscopy. 2020, 124, 12855-12863 Spectrophotometric determination of epinephrine using new analytical systems based on label-free silver triangular nanoplates. 2020, 848, 012021 Weak polyelectrolyte-based multilayers via layer-by-layer assembly: Approaches, properties, and		1

130	Refractive index sensitivity of triangular Ag nanoplates in solution and on glass substrate. 2020 , 305, 111948	8
129	Hybrid Nanosystems Based on Metal-Containing Mesogenic CyanoAlkyl and Alkoxybiphenyls. Crystals, 2020 , 10, 77	1
128	Synthesis of Ag Nanoprisms with Precisely-tuned Localized Surface Plasmon Wavelengths by Sequential Irradiation of Light of Two Different Wavelengths. 2020 , 49, 240-243	4
127	Facile synthesis of anisotropic gold nanoparticles and its synergistic effect on breast cancer cell lines. 2020 , 14, 224-229	4
126	Fischer Tropsch Product Selectivity Modulation via an FeRh Nanocluster Composition Design. 2020 , 124, 15225-15230	
125	Nanosilver at the interface of biomedical applications, toxicology, and synthetic strategies. 2020 , 119-139	6
124	Development of gold tiny particles and particles in different sizes at varying precursor concentration. 2020 , 11, 015006	2
123	Density-functional tight-binding: basic concepts and applications to molecules and clusters. 2020 , 5, 1710252	19
122	"All-in-One" Silver Nanoprism Platform for Targeted Tumor Theranostics. <i>ACS Applied Materials</i> 8.4 8.4 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	12
121	Nanosphere lithography: the effect of chemical etching and annealing sequence on the shape and spectrum of nano-metal arrays. 2020 , 6, e03382	4
120	High-performance natural-sunlight-driven Ag/AgCl photocatalysts with a cube-like morphology and blunt edges via a bola-type surfactant-assisted synthesis. 2020 , 22, 3940-3952	10
119	Enhanced LSPR performance of graphene nanoribbons-silver nanoparticles hybrid as a colorimetric sensor for sequential detection of dopamine and glutathione. 2020 , 1120, 11-23	25
118	Ligand exchange on noble metal nanocrystals assisted by coating and etching of cuprous oxide. 2020 , 4, 1614-1622	7
117	Silver Nanoprism Enhanced Colorimetry for Precise Detection of Dissolved Oxygen. 2020 , 11,	4
116	Hydroxyl groups on cellulose nanocrystal surfaces form nucleation points for silver nanoparticles of varying shapes and sizes. 2021 , 584, 360-371	20
115	Functionalization with PEG/Angiopep-2 peptide to improve the delivery of gold nanoprisms to central nervous system: in vitro and in vivo studies. 2021 , 121, 111785	6
114	Recent advances and perspective on heterogeneous catalysis using metals and oxide nanocrystals. 2021 , 5, 151-222	7
113	Seed-mediated growth of high yield Au nanoplates with generated Au clusters through galvanic replacement. 2021 , 50, 7928-7932	1

112	Resolving the stacking fault structure of silver nanoplates. 2021 , 13, 195-205		15
111	Molecular Modelling Guided Modulation of Molecular Shape and Charge for Design of Smart Self-Assembled Polymeric Drug Transporters. 2021 , 13,		2
110	Corner-, edge-, and facet-controlled growth of nanocrystals. Science Advances, 2021, 7,	14.3	17
109	Designing caps for colloidal Au nanoparticles. 2021 , 12, 3644-3650		5
108	Use of Triangular Silver Nanoplates as Low Potential Redox Mediators for Electrochemical Sensing. 2021 , 93, 3295-3300		4
107	AutoDetect-mNP: An Unsupervised Machine Learning Algorithm for Automated Analysis of Transmission Electron Microscope Images of Metal Nanoparticles. 2021 , 1, 316-327		16
106	DNA Base Pair Stacking Assembly of Anisotropic Nanoparticles for Biosensing and Ordered Assembly. 2021 , 37, 415-423		1
105	A Rapid Visual Detection of Ascorbic Acid Through Morphology Transformation of Silver Triangular Nanoplates. 2021 , 5, 210-216		2
104	Synthesis of Ultrasmall Single-Crystal Gold-Silver Alloy Nanotriangles and Their Application in Photothermal Therapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
103	Biosensing Applications Using Nanostructure-Based Localized Surface Plasmon Resonance Sensors. 2021 , 21,		8
102	Fitting A Square Peg into A Round Hole: Shape Control in Phase Transfer of Cubic Gold Nanoparticles. 2021 , 7, 658-671		1
101	Surface Engineering and Controlled Ripening for Seed-Mediated Growth of Au Islands on Au Nanocrystals. 2021 , 60, 16958-16964		12
100	Surface Engineering and Controlled Ripening for Seed-Mediated Growth of Au Islands on Au Nanocrystals. 2021 , 133, 17095-17101		0
99	Silver nanoprisms as plasmonic enhancers applied in the photodynamic inactivation of Staphylococcus aureus isolated from bubaline mastitis. 2021 , 34, 102315		2
98	Colorimetric Detection Based on Localized Surface Plasmon Resonance for Determination of Chemicals in Urine. 2021 , 37, 929-940		
97	Color-coded Adrenaline Assay Based on GNP@MnO2 Core-shell Nanoparticles with Dark-field Microscopy. 2021 , 49, e21133-e21140		1
96	Impact of Physico-Chemical Properties of Cellulose Nanocrystal/Silver Nanoparticle Hybrid Suspensions on Their Biocidal and Toxicological Effects. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
95	Synthesis of Biogenic Silver Nanoparticles with Eco-Friendly Processes Using Ganoderma lucidum Extract and Evaluation of Their Theranostic Applications. 2021 , 2021, 1-11		6

94	Role of Synthetic Plant Extracts on the Production of Silver-Derived Nanoparticles. 2021, 10,		10
93	Quantitative In Situ Visualization of Thermal Effects on the Formation of Gold Nanocrystals in Solution. 2021 , 33, e2102514		2
92	Review of synthesis and sensing applications of anisotropic silver and gold nanostructures. 2021 , 39, 050801		1
91	Plasmon-mediated photochemical transformation of inorganic nanocrystals. <i>Applied Materials Today</i> , 2021 , 24, 101125	6.6	5
90	Metal nanoparticles in ionic liquids: Synthesis and catalytic applications. 2021, 445, 213982		16
89	Photophysical characterization of a sub-micellar triblock copolymer-cationic surfactant aggregate for nanostructure synthesis. 2021 , 8, 100066		1
88	One-pot synthesis of wavy gold-silver alloy nanoplates with tunable elemental compositions: Optical and photothermal properties. 2022 , 889, 161767		2
87	Synthesis of polystyrene-polyricinoleic acid copolymer containing silver nano particles for dispersive solid phase microextraction of molybdenum in water and food samples. 2022 , 369, 130973		6
86	Plasmonic triangular nanoprism sensors. 2021 , 2, 32-46		6
85	Quantum dots gold nanoparticles/porous silicon/silicon for solar cell applications. 2021 , 45, 5809-5814		
8 ₅	Quantum dots gold nanoparticles/porous silicon/silicon for solar cell applications. 2021 , 45, 5809-5814 Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application.		7
	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and		7
84	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application.		
84	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application. Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. 2021, 15, 2428-2438		18
84 83 82	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application. Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. 2021, 15, 2428-2438 Toxicology of Engineered Metal Nanoparticles. A promising technique of Aegle marmelos leaf extract mediated self-assembly for silver nanoprism		18
84 83 82 81	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application. Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. 2021, 15, 2428-2438 Toxicology of Engineered Metal Nanoparticles. A promising technique of Aegle marmelos leaf extract mediated self-assembly for silver nanoprism formation. 2017, 63, 3670-3680		18 3 2
84 83 82 81 80	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application. Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. 2021, 15, 2428-2438 Toxicology of Engineered Metal Nanoparticles. A promising technique of Aegle marmelos leaf extract mediated self-assembly for silver nanoprism formation. 2017, 63, 3670-3680 Optical Properties and Applications of Shape-Controlled Metal Nanostructures. 2012, 205-238		18 3 2

76	Synthesis of Nano ZnO: A Catalyst for N-formylation of Aromatic Amines and Biodiesel Application. 2020 , 5, 66-78		5
75	Microfluidic nanopaper based analytical device for colorimetric and naked eye determination of cholesterol using the color change of triangular silver nanoprisms.		O
74	Nanostructures Classified as Polyhedra. 2012 , 431-475		
73	Literature Review. 2017 , 13-35		
72	DEVELOPMENT OF A METHOD FOR THE SYNTHESIS OF PLASMONIC GOLD NANOPARTICLES FOR A WIDE SPECTRAL REGION 520-720 nm. 2017 , 12, 56-64		
71	Growth of Gold Nanoprisms on Freshly Cleaved Mica Surface. 2018 , 16,		
70	Achievements in the Synthesis of Elemental Silver Nanoparticles with Various Geometric Forms. 2018 , 15, 112-128		2
69	開始即用 即即即即即 即). 2019 , 14, 3-9		
68	Covellite Nanodisks and Digenite Nanorings: Colloidal Synthesis, Phase Transitions, and Optical Properties. <i>Chemistry of Materials</i> ,	9.6	1
67	Chemical synthesis of silver nanoparticles. 2022 , 21-53		O
66	Chemical synthesis of silver nanoparticles. 2022, 21-53 Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution.		3
	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic		
66	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution. TiO2 nanotubes decorated with Au nanoparticles for Photocatalytic Hydrogen Generation under		3
66	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution. TiO2 nanotubes decorated with Au nanoparticles for Photocatalytic Hydrogen Generation under UV-Visible and Visible Light Irradiations. 2020, 92, e20200504 Synergistic roles of vapor- and liquid-phase epitaxy in the seed-mediated synthesis of		3
66 65 64	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution. TiO2 nanotubes decorated with Au nanoparticles for Photocatalytic Hydrogen Generation under UV-Visible and Visible Light Irradiations. 2020, 92, e20200504 Synergistic roles of vapor- and liquid-phase epitaxy in the seed-mediated synthesis of substrate-based noble metal nanostructures. 2021, In Situ Transmission Electron Microscopy Investigation of Melting/Evaporation Kinetics in		3 1 2
66 65 64	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution. TiO2 nanotubes decorated with Au nanoparticles for Photocatalytic Hydrogen Generation under UV-Visible and Visible Light Irradiations. 2020, 92, e20200504 Synergistic roles of vapor- and liquid-phase epitaxy in the seed-mediated synthesis of substrate-based noble metal nanostructures. 2021, In Situ Transmission Electron Microscopy Investigation of Melting/Evaporation Kinetics in Anisotropic Gold Nanoparticles. 2021, 14,		3 1 2
66 65 64 63	Irradiation regulates the size of Pt nanoparticles on Au@MnO2 nanosheets for electrocatalytic hydrogen evolution. TiO2 nanotubes decorated with Au nanoparticles for Photocatalytic Hydrogen Generation under UV-Visible and Visible Light Irradiations. 2020, 92, e20200504 Synergistic roles of vapor- and liquid-phase epitaxy in the seed-mediated synthesis of substrate-based noble metal nanostructures. 2021, In Situ Transmission Electron Microscopy Investigation of Melting/Evaporation Kinetics in Anisotropic Gold Nanoparticles. 2021, 14, Influence of Photon and Electrical Energy in the Nucleation of Silver Nanoparticles Synthesis. 1 Colorimetric Detection of Benzoyl Peroxide in the Flour Samples Based on the Morphological		3 1 2

58	Plasmonic catalysis with designer nanoparticles Chemical Communications, 2022,	5.8	7
57	NUIG4: A biocompatible pcu metal-organic framework with an exceptional doxorubicin encapsulation capacity <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	O
56	Colloidal Au nanoplates: Synthesis, properties, and applications. 2022,		
55	Bio-based multifunctional nanomaterials: Synthesis and applications. 2022 , 129-166		
54	Enormous Enhancement in Single-Particle Surface-Enhanced Raman Scattering with Size-Controllable Au Double Nanorings. <i>Chemistry of Materials</i> , 2022 , 34, 2197-2205	9.6	0
53	Probing the Phytosynthesis Mechanism of Gold and Silver Nanoparticles by Sequential Separation of Plant Extract and Molecular Characterization with Ultra-High-Resolution Mass Spectrometry. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 3829-3838	8.3	O
52	Atomic structure of a seed-sized gold nanoprism <i>Nature Communications</i> , 2022 , 13, 1235	17.4	2
51	Electrochemical Synthesis of Plasmonic Nanostructures <i>Molecules</i> , 2022 , 27,	4.8	O
50	Data_Sheet_1.docx. 2019 ,		
49	Gold@Carbon Nitride Yolk and Core-Shell Nanohybrids <i>ACS Applied Materials & Amp; Interfaces</i> , 2022 ,	9.5	1
48	Shape, thermodynamics and kinetics of nanoparticles. 2022,		
47	Carbon-Supported Noble-Metal Nanoparticles for Catalytic Applications Review. <i>Crystals</i> , 2022 , 12, 584	2.3	5
46	One Metal Ions-regulated AgTNPs Etching Sensor Array for Visual Discrimination of Multiple Organic Acids. <i>Applied Optics</i> ,	1.7	
45	Tubular Catalytic Polyhipe Reactor with Deposited Silver Nanoplate Nanoparticles. <i>SSRN Electronic Journal</i> ,	1	
44	Direct and Sensitive Detection of Dopamine Using Carbon Quantum Dots Based Refractive Index Surface Plasmon Resonance Sensor. <i>Nanomaterials</i> , 2022 , 12, 1799	5.4	0
43	Morphology transition of Ag nanoprisms as a platform to design a dual sensor for NADH sensitive assay. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 431, 114043	4.7	O
42	Stable CsPbBr3 NanocrystalsDecorated Nanoporous Gold for Optoelectronic Applications. <i>Crystals</i> , 2022 , 12, 863	2.3	
41	Plasmonic Photocatalysis: Activating Chemical Bonds through Light and Plasmon. <i>Advanced Optical Materials</i> , 2200463	8.1	6

40	Synthesis and Analysis of Polymorphic Silver Nanoparticles and Their Incorporation into the Polymer Matrix. <i>Polymers</i> , 2022 , 14, 2666	4.5	
39	Multiscale modeling of the dynamical conductivity of self-assembled nanoparticle networks: Numerical simulations vs analytical models. <i>Journal of Applied Physics</i> , 2022 , 132, 015107	2.5	O
38	Tubular catalytic polyHIPE reactor with deposited silver nanoplate nanoparticles. <i>Chemical Engineering Journal</i> , 2022 , 449, 137869	14.7	1
37	Anisotropic gold nanostructures applied to improve solar energy conversion. <i>Applied Materials Today</i> , 2022 , 29, 101575	6.6	O
36	Effects of Ligands on Synthesis and Surface-Engineering of Noble Metal Nanocrystals for Electrocatalysis.		
35	Near infrared optically responsive Ag-Cu bimetallic 2D nanocrystals with controllable spatial structures. 2022 , 628, 660-669		
34	Continuous flow synthesis of plasmonic gold patches and nearly-complete nanoshells on polystyrene core particles. 2023 , 75, 137-150		0
33	Preparation of triangular silver nanoplates by improved light-driven seed growth method. 2022 , 145, 110012		O
32	A portable colorimetric chemosensing regime for ractopamine in chicken samples using P CD decorated by silver nanoprisms. 2022 , 12, 25675-25686		0
31	Colorimetric and naked-eye detection of arsenic(iii) using a paper-based microfluidic device decorated with silver nanoparticles. 2022 , 12, 21836-21850		1
30	Glucose-assisted polyol synthesis of silver nanoplates and nanoprisms in the presence of oxyethylated carboxylic acid. 2022 , 9, 20229309		0
29	Design principles of bioinspired interfaces for biomedical applications in therapeutics and imaging. 10,		O
28	Influence of Reagents on the Synthesis Process and Shape of Silver Nanoparticles. 2022 , 15, 6829		2
27	Intermetallic Nanocrystal Discovery through Modulation of Atom Stacking Hierarchy.		O
26	Recent Advances in Endocannabinoid System Targeting for Improved Specificity: Strategic Approaches to Targeted Drug Delivery. 2022 , 23, 13223		1
25	Selective triggering in-plane and out-of-plane dipolar modes of hexagonal Au nanoplate with the polarization of excitation beam. 2022 , 34, 505302		O
24	Structural transition of gold octahedrons to nanoprisms induced by nitrogen-doped carbon quantum dots. 2022 , 51, 100675		O
23	Large-Area Periodic Arrays of Atomically Flat Single-Crystal Gold Nanotriangles Formed Directly on Substrate Surfaces. 2205780		3

22	Etching Suppression as a Means to Pt Dendritic Ultrathin Nanosheets by Seeded Growth.	1
21	Molecular, biochemical, and metabolic changes induced by gold nanoparticles in Taxus baccata L. cell culture. 2023 , 192, 115988	0
20	Prediction of the Antibacterial Activity of the Green Synthesized Silver Nanoparticles against Gram Negative and Positive Bacteria by using Machine Learning Algorithms. 2022 , 2022, 1-10	1
19	Fabrication Techniques. 2023 , 31-96	o
18	Branching phenomena in nanostructure synthesis illuminated by the study of Ni-based nanocomposites.	0
17	Computational Electrodynamics Methods. 2011 , 147-178	o
16	Multiple Stepwise Synthetic Pathways toward Complex Plasmonic 2D and 3D Nanoframes for Generation of Electromagnetic Hot Zones in a Single Entity. 2023 , 56, 270-283	О
15	Regio-selective growth of plates on Au nanorods. 2023 , 30, 101516	o
14	Seed-Mediated Synthesis of Thin Gold Nanoplates with Tunable Edge Lengths and Optical Properties. 2023 , 13, 711	O
13	Novel Carbidopa Functionalised Silver Nanoparticles a Selective Detection for Lead and Levodopa. 59, 21-38	O
12	Gold Triangular Nanoprisms: Anisotropic Plasmonic Materials with Unique Structures and Properties. 2023 , 88,	O
11	Generalization of Self-Assembly Toward Differently Shaped Colloidal Nanoparticles for Plasmonic Superlattices. 2023 , 7,	О
10	Microfluidic-Generated Seeds for Gold Nanotriangle Synthesis in Three or Two Steps. 2204810	О
9	Temperature Dependent Nanochemistry and Growth Kinetics Using Liquid Cell Transmission Electron Microscopy. 2023 , 17, 5609-5619	О
8	Robust Synthesis of Silver Nanocubes in Oil Phase. 2023 , 23, 2203-2208	О
7	Challenges and opportunities for SERS in the infrared: materials and methods. 2023 , 5, 2132-2166	О
6	Plate-Like Colloidal Metal Nanoparticles. 2023 , 123, 3493-3542	О
5	Critical parameters to translate gold nanoparticles as radiosensitizing agents into the clinic.	O

Introduction to Atomically Precise Nanochemistry. 2023, 1-55

Chrono-colorimetric sensor array for detection and discrimination of halide ions using an all-in-one plasmonic sensor element. 2023, 259, 124528

Papaya latex mediated synthesis of prism shaped proteolytic gold nanozymes. 2023, 13,

Encapsulation: Shell and core. 2023, 115-148