

Svetlana Neretina

List of Publications by Year in descending order

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42
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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Reduction of 4-Nitrophenol: A Quantitative Assessment of the Role of Dissolved Oxygen in Determining the Induction Time. <i>Nano Letters</i> , 2016, 16, 7791-7797.	9.1	150
2	When lithography meets self-assembly: a review of recent advances in the directed assembly of complex metal nanostructures on planar and textured surfaces. <i>Nanotechnology</i> , 2017, 28, 282002.	2.6	98
3	Effect of Nanoparticle Ligands on 4-Nitrophenol Reduction: Reaction Rate, Induction Time, and Ligand Desorption. <i>ACS Catalysis</i> , 2020, 10, 10040-10050.	11.2	78
4	Sacrificial Templates for Galvanic Replacement Reactions: Design Criteria for the Synthesis of Pure Pt Nanoshells with a Smooth Surface Morphology. <i>Chemistry of Materials</i> , 2014, 26, 3340-3347.	6.7	72
5	Photocatalytic Enhancements to the Reduction of 4-Nitrophenol by Resonantly Excited Triangular Gold-Copper Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17308-17315.	3.1	71
6	Catalytic Reduction of 4-Nitrophenol by Gold Catalysts: The Influence of Borohydride Concentration on the Induction Time. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12894-12901.	3.1	70
7	Kinetically Controlled Nucleation of Silver on Surfactant-Free Gold Seeds. <i>Journal of the American Chemical Society</i> , 2014, 136, 15337-15345.	13.7	62
8	A Wulff in a Cage: The Confinement of Substrate-Based Structures in Plasmonic Nanoshells, Nanocages, and Nanoframes Using Galvanic Replacement. <i>ACS Nano</i> , 2016, 10, 6354-6362.	14.6	50
9	Plasmon-Mediated Synthesis of Periodic Arrays of Gold Nanoplates Using Substrate-Immobilized Seeds Lined with Planar Defects. <i>Nano Letters</i> , 2019, 19, 5653-5660.	9.1	50
10	Noble Metal Nanostructure Synthesis at the Liquid-Substrate Interface: New Structures, New Insights, and New Possibilities. <i>Accounts of Chemical Research</i> , 2016, 49, 2243-2250.	15.6	46
11	Dynamic templating: a large area processing route for the assembly of periodic arrays of sub-micrometer and nanoscale structures. <i>Nanoscale</i> , 2013, 5, 1929.	5.6	45
12	Identifying the True Catalyst in the Reduction of 4-Nitrophenol: A Case Study Showing the Effect of Leaching and Oxidative Etching Using Ag Catalysts. <i>ACS Catalysis</i> , 2018, 8, 8879-8888.	11.2	43
13	Wulff in a cage gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. <i>Nanoscale</i> , 2018, 10, 18749-18757.	5.6	34
14	Mechanistic study of substrate-based galvanic replacement reactions. <i>Nano Research</i> , 2014, 7, 365-379.	10.4	32
15	One-step catalytic reduction of 4-nitrophenol through the direct injection of metal salts into oxygen-depleted reactants. <i>Catalysis Science and Technology</i> , 2017, 7, 1460-1464.	4.1	32
16	Arrays of highly complex noble metal nanostructures using nanoimprint lithography in combination with liquid-phase epitaxy. <i>Nanoscale</i> , 2018, 10, 18186-18194.	5.6	30
17	Citrate-Induced Nanocubes: A Re-Examination of the Role of Citrate as a Shape-Directing Capping Agent for Ag-Based Nanostructures. <i>Small</i> , 2016, 12, 3444-3452.	10.0	27
18	Substrate-based galvanic replacement reactions carried out on heteroepitaxially formed silver templates. <i>Nano Research</i> , 2013, 6, 418-428.	10.4	26

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19	Sensing Hydrogen Gas from Atmospheric Pressure to a Hundred Parts per Million with Nanogaps Fabricated Using a Single-Step Bending Deformation. <i>ACS Sensors</i> , 2016, 1, 73-80.	7.8	26
20	Light-Mediated Growth of Noble Metal Nanostructures (Au, Ag, Cu, Pt, Pd, Ru, Ir, Rh) From Micro- and Nanoscale ZnO Tetrapodal Backbones. <i>Frontiers in Chemistry</i> , 2018, 6, 411.	3.6	26
21	Low-Cost Nanostructures from Nanoparticle-Assisted Large-Scale Lithography Significantly Enhance Thermal Energy Transport across Solid Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34690-34698.	8.0	23
22	Dewetted nanostructures of gold, silver, copper, and palladium with enhanced faceting. <i>Acta Materialia</i> , 2019, 165, 15-25.	7.9	23
23	Large-area periodic arrays of gold nanostars derived from HEPES-, DMF-, and ascorbic-acid-driven syntheses. <i>Nanoscale</i> , 2020, 12, 16489-16500.	5.6	23
24	Sequential Symmetry-Breaking Events as a Synthetic Pathway for Chiral Gold Nanostructures with Spiral Geometries. <i>Nano Letters</i> , 2021, 21, 2919-2925.	9.1	21
25	Highly efficient visible light phenyl modified carbon nitride/TiO ₂ photocatalyst for environmental applications. <i>Applied Surface Science</i> , 2020, 531, 147394.	6.1	19
26	Behavior of gold nanoparticles in an experimental algal-zooplankton food chain. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	18
27	Surface Bubble Growth in Plasmonic Nanoparticle Suspension. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26680-26687.	8.0	18
28	Plasmonics under Attack: Protecting Copper Nanostructures from Harsh Environments. <i>Chemistry of Materials</i> , 2020, 32, 6788-6799.	6.7	16
29	Plastically deformed Cu-based alloys as high-performance catalysts for the reduction of 4-nitrophenol. <i>Catalysis Science and Technology</i> , 2016, 6, 5737-5745.	4.1	15
30	Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and application. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12974-13012.	5.5	13
31	Organized Surfaces of Highly Faceted Single-Crystal Palladium Structures Seeded by Sacrificial Templates. <i>Crystal Growth and Design</i> , 2013, 13, 3847-3851.	3.0	11
32	Periodic Arrays of Dewetted Silver Nanostructures on Sapphire and Quartz: Effect of Substrate Truncation on the Localized Surface Plasmon Resonance and Near-Field Enhancement. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19879-19886.	3.1	11
33	Epitaxially aligned single-crystal gold nanoplates formed in large-area arrays at high yield. <i>Nano Research</i> , 2022, 15, 296-303.	10.4	11
34	Plasmonic Gold Trimers and Dimers with Air-Filled Nanogaps. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28186-28198.	8.0	11
35	Stabilization of Plasmonic Silver Nanostructures with Ultrathin Oxide Coatings Formed Using Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17212-17220.	3.1	10
36	Copper Template Design for the Synthesis of Bimetallic Copper-Rhodium Nanoshells through Galvanic Replacement. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700420.	2.3	9

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37	Synergistic roles of vapor- and liquid-phase epitaxy in the seed-mediated synthesis of substrate-based noble metal nanostructures. <i>Nanoscale</i> , 2021, 13, 20225-20233.	5.6	5
38	Synthesis and Properties of Au Hydride. <i>ChemistrySelect</i> , 2019, 4, 4287-4292.	1.5	4
39	Beyond the Gold Standard: Bimetallic Nanomaterials Bring New Properties and Functions. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800111.	2.3	3
40	Light-Assisted Growth of Hexagonal Au Nanostructures on Sapphire Substrates. <i>Microscopy and Microanalysis</i> , 2018, 24, 1678-1679.	0.4	0
41	Durable Copper Nanostructures for on-Chip Plasmonic Devices. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2384-2384.	0.0	0
42	(Invited) 4-NP Reduction As a Reaction-Based Indicator for Quantitatively Assessing the Detrimental Influences of Leaching on Catalysts. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1714-1714.	0.0	0