

Michelle L Personick

List of Publications by Year in descending order

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citations

331670

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42
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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Halide ions on metal nanoparticles for shape- and composition-controlled synthesis. , 2023, , 263-276.		1
2	Plasmon-Mediated Syntheses of Polyhedral Noble Metal Nanoparticles. , 2022, , 47-88.		2
3	Potentialâ€Controlled (R)Evolution: Electrochemical Synthesis of Nanoparticles with Wellâ€Defined Shapes. ChemNanoMat, 2022, 8, .	2.8	5
4	An Integrated Electrochemistry Approach to the Design and Synthesis of Polyhedral Noble Metal Nanoparticles. Journal of the American Chemical Society, 2020, 142, 21322-21335.	13.7	25
5	Plasmon-Mediated Synthesis of Hybrid Silverâ€Platinum Nanostructures. Journal of Physical Chemistry C, 2020, 124, 6853-6860.	3.1	12
6	Halide-assisted metal ion reduction: emergent effects of dilute chloride, bromide, and iodide in nanoparticle synthesis. Nanoscale, 2019, 11, 15612-15621.	5.6	17
7	Growing Nanoscale Model Surfaces to Enable Correlation of Catalytic Behavior Across Dissimilar Reaction Environments. Chemistry of Materials, 2019, 31, 1121-1141.	6.7	17
8	Strategic synergy: advances in the shape control of bimetallic nanoparticles with dilute alloyed surfaces. Current Opinion in Colloid and Interface Science, 2019, 40, 104-117.	7.4	22
9	Synthetic Routes to Shaped AuPt Coreâ€Shell Particles with Smooth Surfaces Based on Design Rules for Au Nanoparticle Growth. Particle and Particle Systems Characterization, 2018, 35, 1700401.	2.3	12
10	Concave Cubes as Experimental Models of Catalytic Active Sites for the Oxygen-Assisted Coupling of Alcohols by Dilute (Ag)Au Alloys. Topics in Catalysis, 2018, 61, 348-356.	2.8	5
11	Iodide-induced differential control of metal ion reduction rates: synthesis of terraced palladiumâ€copper nanoparticles with dilute bimetallic surfaces. Journal of Materials Chemistry A, 2018, 6, 22179-22188.	10.3	17
12	Bimetallic Nanoparticles with Exotic Facet Structures via Iodide-Assisted Reduction of Palladium. Particle and Particle Systems Characterization, 2017, 34, 1600422.	2.3	15
13	Bimetallic Nanoparticles: Bimetallic Nanoparticles with Exotic Facet Structures via Iodide-Assisted Reduction of Palladium (Part. Part. Syst. Charact. 5/2017). Particle and Particle Systems Characterization, 2017, 34, .	2.3	0
14	Selective Oxygen-Assisted Reactions of Alcohols and Amines Catalyzed by Metallic Gold: Paradigms for the Design of Catalytic Processes. ACS Catalysis, 2017, 7, 965-985.	11.2	56
15	Defects by design: synthesis of palladium nanoparticles with extended twin defects and corrugated surfaces. Nanoscale, 2017, 9, 17914-17921.	5.6	19
16	Active sites for methanol partial oxidation on nanoporous gold catalysts. Journal of Catalysis, 2016, 344, 778-783.	6.2	45
17	Catalyst design for enhanced sustainability through fundamental surface chemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150077.	3.4	15
18	Exploiting basic principles to control the selectivity of the vapor phase catalytic oxidative cross-coupling of primary alcohols over nanoporous gold catalysts. Journal of Catalysis, 2015, 329, 78-86.	6.2	39

#	ARTICLE	IF	CITATIONS
19	Ozone-Activated Nanoporous Gold: A Stable and Storable Material for Catalytic Oxidation. ACS Catalysis, 2015, 5, 4237-4241.	11.2	76
20	The surface structure of silver-coated gold nanocrystals and its influence on shape control. Nature Communications, 2015, 6, 7664.	12.8	53
21	Anisotropic Nanoparticles as Shape-Directing Catalysts for the Chemical Etching of Silicon. Journal of the American Chemical Society, 2013, 135, 12196-12199.	13.7	44
22	Making Sense of the Mayhem behind Shape Control in the Synthesis of Gold Nanoparticles. Journal of the American Chemical Society, 2013, 135, 18238-18247.	13.7	295
23	Plasmon-Mediated Syntheses of Metallic Nanostructures. Angewandte Chemie - International Edition, 2013, 52, 13910-13940.	13.8	182
24	Plasmon-Mediated Synthesis of Silver Cubes with Unusual Twinning Structures Using Short Wavelength Excitation. Small, 2013, 9, 1947-1953.	10.0	61
25	Synthesis of Gold Hexagonal Bipyramids Directed by Planar-Twinned Silver Triangular Nanoprisms. Journal of the American Chemical Society, 2013, 135, 3800-3803.	13.7	67
26	A Directional Entropic Force Approach to Assemble Anisotropic Nanoparticles into Superlattices. Angewandte Chemie - International Edition, 2013, 52, 13980-13984.	13.8	90
27	Centrifugal Shape Sorting and Optical Response of Polyhedral Gold Nanoparticles. Advanced Materials, 2013, 25, 4023-4027.	21.0	17
28	Chemically Isolating Hot Spots on Concave Nanocubes. Nano Letters, 2012, 12, 6218-6222.	9.1	80
29	Defining Rules for the Shape Evolution of Gold Nanoparticles. Journal of the American Chemical Society, 2012, 134, 14542-14554.	13.7	609
30	Stepwise Evolution of Spherical Seeds into 20-Fold Twinned Icosahedra. Science, 2012, 337, 954-957.	12.6	187
31	Synthesis and Isolation of {110}-Faceted Gold Bipyramids and Rhombic Dodecahedra. Journal of the American Chemical Society, 2011, 133, 6170-6173.	13.7	142
32	Bottom-Up Synthesis of Gold Octahedra with Tailorable Hollow Features. Journal of the American Chemical Society, 2011, 133, 10414-10417.	13.7	69
33	Shape Control of Gold Nanoparticles by Silver Underpotential Deposition. Nano Letters, 2011, 11, 3394-3398.	9.1	341
34	Oxidation of a guanine derivative coordinated to a Pt(IV) complex initiated by intermolecular nucleophilic attacks. Dalton Transactions, 2011, 40, 2888.	3.3	8
35	Concave Cubic Gold Nanocrystals with High-Index Facets. Journal of the American Chemical Society, 2010, 132, 14012-14014.	13.7	513
36	Systematic evaluation of new chiral stationary phases for supercritical fluid chromatography using a standard racemate library. Journal of Chromatography A, 2010, 1217, 1134-1138.	3.7	51

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37	Importance of Platinum(II)-Assisted Platinum(IV) Substitution for the Oxidation of Guanosine Derivatives by Platinum(IV) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 1352-1360.	4.0	22