

Tapan K Sau

List of Publications by Year in descending order

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papers

11,230
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304602

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docs citations

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times ranked

13921
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic Metal Nanoparticles: Synthesis, Assembly, and Optical Applications. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13857-13870.	1.2	2,820
2	Room Temperature, High-Yield Synthesis of Multiple Shapes of Gold Nanoparticles in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 8648-8649.	6.6	1,506
3	Seeded High Yield Synthesis of Short Au Nanorods in Aqueous Solution. <i>Langmuir</i> , 2004, 20, 6414-6420.	1.6	1,293
4	Properties and Applications of Colloidal Nonspherical Noble Metal Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 1805-1825.	11.1	909
5	Nonspherical Noble Metal Nanoparticles: Colloid Chemical Synthesis and Morphology Control. <i>Advanced Materials</i> , 2010, 22, 1781-1804.	11.1	789
6	Surface-Enhanced Raman Spectroscopy of Self-Assembled Monolayers: Sandwich Architecture and Nanoparticle Shape Dependence. <i>Analytical Chemistry</i> , 2005, 77, 3261-3266.	3.2	628
7	Self-Assembly Patterns Formed upon Solvent Evaporation of Aqueous Cetyltrimethylammonium Bromide-Coated Gold Nanoparticles of Various Shapes. <i>Langmuir</i> , 2005, 21, 2923-2929.	1.6	375
8	Shape-Dependent Plasmon-Resonant Gold Nanoparticles. <i>Small</i> , 2006, 2, 636-639.	5.2	343
9	Growing Small Silver Particle as Redox Catalyst. <i>Journal of Physical Chemistry B</i> , 1999, 103, 115-121.	1.2	340
10	Label-free Biosensing Based on Single Gold Nanostars as Plasmonic Transducers. <i>ACS Nano</i> , 2010, 4, 6318-6322.	7.3	300
11	Magnetite nanoparticles with tunable gold or silver shell. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 187-194.	5.0	272
12	Size Controlled Synthesis of Gold Nanoparticles using Photochemically Prepared Seed Particles. <i>Journal of Nanoparticle Research</i> , 2001, 3, 257-261.	0.8	251
13	Reversible Formation and Dissolution of Silver Nanoparticles in Aqueous Surfactant Media. <i>Langmuir</i> , 1997, 13, 1481-1485.	1.6	248
14	Size Regime Dependent Catalysis by Gold Nanoparticles for the Reduction of Eosin. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9266-9272.	1.2	246
15	Single gold nanostars enhance Raman scattering. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	185
16	Selective Excitation of Individual Plasmonic Hotspots at the Tips of Single Gold Nanostars. <i>Nano Letters</i> , 2011, 11, 402-407.	4.5	175
17	Surfactant-Directed Synthesis and Optical Properties of One-Dimensional Plasmonic Metallic Nanostructures. <i>MRS Bulletin</i> , 2005, 30, 349-355.	1.7	169
18	One-Step High-Yield Aqueous Synthesis of Size-Tunable Multispiked Gold Nanoparticles. <i>Small</i> , 2011, 7, 2188-2194.	5.2	81

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19	Plasmonic Properties of Single Multispiked Gold Nanostars: Correlating Modeling with Experiments. <i>Langmuir</i> , 2012, 28, 8979-8984.	1.6	80
20	Synthesis and Characterization of Superparamagnetic Ni ²⁺ /Pt Nanoalloy. <i>Chemistry of Materials</i> , 2003, 15, 3710-3715.	3.2	75
21	Silver Hydrosol, Organosol, and Reverse Micelle-Stabilized Sol [−] A Comparative Study. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 30-36.	5.0	42
22	Sol-gel synthesis and characterizations of morphology-controlled Co ₃ O ₄ particles. <i>Materials Today: Proceedings</i> , 2019, 9, 458-467.	0.9	39
23	Method for Preparing Carbon Supported Pt ²⁺ /Ru Nanoparticles with Controlled Internal Structure. <i>Chemistry of Materials</i> , 2009, 21, 3649-3654.	3.2	17
24	Efficient One-Pot Synthesis and pH-Dependent Tuning of Photoluminescence and Stability of Au ₁₈ (SC ₂ H ₄ CO ₂ H) ₁₄ Cluster. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1228-1234.	1.1	17
25	Wet chemical method for synthesis of superparamagnetic alloyed Ni _{1-x} Pd _x and Ni _{1-x} Pt _x nanomagnets in micelles. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 23-28.	5.0	16
26	Spectrofluorimetric determination of arsenic in water samples. <i>Analytical Communications</i> , 1996, 33, 315.	2.2	10
27	Observing Ultra-Small Gold Cluster to Plasmonic Nanoparticle Evolution in a One-Pot Aqueous Synthesis. <i>ChemistrySelect</i> , 2016, 1, 3091-3096.	0.7	4