

Tapan K Sau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2636681/publications.pdf>

Version: 2024-02-01

27
papers

11,230
citations

304602

22
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

13921
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | Efficient One-Pot Synthesis and pH-Dependent Tuning of Photoluminescence and Stability of Au ₁₈ (SC ₂ H ₄ CO ₂) ₁₄ Cluster. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1228-1234. | 1.1 | 17 |
| 3 | 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 |
| 4 | Plasmonic Properties of Single Multispiked Gold Nanostars: Correlating Modeling with Experiments. <i>Langmuir</i> , 2012, 28, 8979-8984. | 1.6 | 80 |
| 5 | Selective Excitation of Individual Plasmonic Hotspots at the Tips of Single Gold Nanostars. <i>Nano Letters</i> , 2011, 11, 402-407. | 4.5 | 175 |
| 6 | One-Step High-Yield Aqueous Synthesis of Size-Tunable Multispiked Gold Nanoparticles. <i>Small</i> , 2011, 7, 2188-2194. | 5.2 | 81 |
| 7 | Nonspherical Noble Metal Nanoparticles: Colloid-Chemical Synthesis and Morphology Control. <i>Advanced Materials</i> , 2010, 22, 1781-1804. | 11.1 | 789 |
| 8 | Properties and Applications of Colloidal Nonspherical Noble Metal Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 1805-1825. | 11.1 | 909 |
| 9 | Label-free Biosensing Based on Single Gold Nanostars as Plasmonic Transducers. <i>ACS Nano</i> , 2010, 4, 6318-6322. | 7.3 | 300 |
| 10 | Method for Preparing Carbon Supported Pt~Ru Nanoparticles with Controlled Internal Structure. <i>Chemistry of Materials</i> , 2009, 21, 3649-3654. | 3.2 | 17 |
| 11 | Single gold nanostars enhance Raman scattering. <i>Applied Physics Letters</i> , 2009, 94, . | 1.5 | 185 |
| 12 | Shape-Dependent Plasmon-Resonant Gold Nanoparticles. <i>Small</i> , 2006, 2, 636-639. | 5.2 | 343 |
| 13 | Magnetite nanoparticles with tunable gold or silver shell. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 187-194. | 5.0 | 272 |
| 14 | 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 |
| 15 | 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 |
| 16 | Anisotropic Metal Nanoparticles: Synthesis, Assembly, and Optical Applications. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13857-13870. | 1.2 | 2,820 |
| 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 | Seeded High Yield Synthesis of Short Au Nanorods in Aqueous Solution. <i>Langmuir</i> , 2004, 20, 6414-6420. | 1.6 | 1,293 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Synthesis and Characterization of Superparamagnetic Ni _{1-x} Pt _x Nanoalloy. <i>Chemistry of Materials</i> , 2003, 15, 3710-3715. | 3.2 | 75 |
| 22 | 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 |
| 23 | Size Controlled Synthesis of Gold Nanoparticles using Photochemically Prepared Seed Particles. <i>Journal of Nanoparticle Research</i> , 2001, 3, 257-261. | 0.8 | 251 |
| 24 | Growing Small Silver Particle as Redox Catalyst. <i>Journal of Physical Chemistry B</i> , 1999, 103, 115-121. | 1.2 | 340 |
| 25 | Silver Hydrosol, Organosol, and Reverse Micelle-Stabilized Sol ^A A Comparative Study. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 30-36. | 5.0 | 42 |
| 26 | Reversible Formation and Dissolution of Silver Nanoparticles in Aqueous Surfactant Media. <i>Langmuir</i> , 1997, 13, 1481-1485. | 1.6 | 248 |
| 27 | Spectrofluorimetric determination of arsenic in water samples. <i>Analytical Communications</i> , 1996, 33, 315. | 2.2 | 10 |