

Anand Gole

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Zinc-oxide-silica-silver nanocomposite: Unique one-pot synthesis and enhanced catalytic and anti-bacterial performance. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 249-260.	5.0	25
2	Magnetite@Silica@Gold Nanocomposite: One-Pot Single-Step Synthesis and Its Application for Solvent-Free Oxidation of Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14214-14223.	1.5	28
3	One pot synthesis of magnetite@silica nanocomposites: applications as tags, entrapment matrix and in water purification. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2022-2029.	5.2	64
4	Iron Oxide Coated Gold Nanorods: Synthesis, Characterization, and Magnetic Manipulation. <i>Langmuir</i> , 2008, 24, 6232-6237.	1.6	77
5	Azide-Derivatized Gold Nanorods: Functional Materials for Click Chemistry. <i>Langmuir</i> , 2008, 24, 266-272.	1.6	163
6	One-pot synthesis of silica-coated magnetic plasmonic tracer nanoparticles. <i>Chemical Communications</i> , 2008, , 6140.	2.2	29
7	Langmuir-Blodgett Thin Films of Quantum Dots: Synthesis, Surface Modification, and Fluorescence Resonance Energy Transfer (FRET) Studies. <i>Langmuir</i> , 2008, 24, 8181-8186.	1.6	47
8	Targeted Photothermal Lysis of the Pathogenic Bacteria, <i>Pseudomonas aeruginosa</i> , with Gold Nanorods. <i>Nano Letters</i> , 2008, 8, 302-306.	4.5	467
9	Gold Nanoparticles Are Taken Up by Human Cells but Do Not Cause Acute Cytotoxicity. <i>Small</i> , 2005, 1, 325-327.	5.2	2,190
10	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
11	Biotin-Streptavidin-Induced Aggregation of Gold Nanorods: Tuning Rod Orientation. <i>Langmuir</i> , 2005, 21, 10756-10762.	1.6	156
12	Polyelectrolyte-Coated Gold Nanorods: Synthesis, Characterization and Immobilization. <i>Chemistry of Materials</i> , 2005, 17, 1325-1330.	3.2	387
13	Deposition of CTAB-Terminated Nanorods on Bacteria to Form Highly Conducting Hybrid Systems. <i>Journal of the American Chemical Society</i> , 2005, 127, 17600-17601.	6.6	190
14	Surfactant-Directed Synthesis and Optical Properties of One-Dimensional Plasmonic Metallic Nanostructures. <i>MRS Bulletin</i> , 2005, 30, 349-355.	1.7	169
15	Seed-Mediated Synthesis of Gold Nanorods: Role of the Size and Nature of the Seed. <i>Chemistry of Materials</i> , 2004, 16, 3633-3640.	3.2	873
16	Time-dependent complexation of glucose-reduced gold nanoparticles with octadecylamine Langmuir monolayers. <i>Journal of Colloid and Interface Science</i> , 2004, 270, 133-139.	5.0	42
17	Immobilization of Gold Nanorods onto Acid-Terminated Self-Assembled Monolayers via Electrostatic Interactions. <i>Langmuir</i> , 2004, 20, 7117-7122.	1.6	122
18	Protein diffusion into thermally evaporated lipid films: role of protein charge/mass ratio. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 28, 209-214.	2.5	12

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19	Time-Dependent Complexation of Cysteine-Capped Gold Nanoparticles with Octadecylamine Langmuir Monolayers at the Air-Water Interface. Langmuir, 2003, 19, 9147-9154.	1.6	34
20	Studies on Interaction between Similarly Charged Polyelectrolyte: Fatty Acid System. Langmuir, 2003, 19, 9321-9327.	1.6	12
21	Quasi-linear Assemblies of Silver Nanoparticles by Highly Localized Anodic Dissolution of Copper in the Hydrosol. Journal of Nanoscience and Nanotechnology, 2002, 2, 147-150.	0.9	2
22	Studies on the formation of bioconjugates of Endoglucanase with colloidal gold. Colloids and Surfaces B: Biointerfaces, 2002, 25, 129-138.	2.5	52
23	Patterned assembly of Yarrowia lipolytica yeast cells onto thermally evaporated octadecylamine films. Colloids and Surfaces B: Biointerfaces, 2002, 25, 363-368.	2.5	8
24	Pepsin-Gold Colloid Conjugates: Preparation, Characterization, and Enzymatic Activity. Langmuir, 2001, 17, 1674-1679.	1.6	514
25	Studies on the Reversible Aggregation of Cysteine-Capped Colloidal Silver Particles Interconnected via Hydrogen Bonds. Langmuir, 2001, 17, 6262-6268.	1.6	220
26	On the Preparation, Characterization, and Enzymatic Activity of Fungal Protease-Gold Colloid Bioconjugates. Bioconjugate Chemistry, 2001, 12, 684-690.	1.8	133
27	Protein-Friendly Intercalation of Cytochrome c and Hemoglobin into Thermally Evaporated Anionic and Cationic Lipid Films: A New Approach Based on Diffusion from Solution. Langmuir, 2001, 17, 5646-5656.	1.6	18
28	Enhancing the Diffusion Rate of Cytochromec into Fatty Acid Films by Preordering the Lipid Film. Langmuir, 2001, 17, 8249-8253.	1.6	3
29	Lamellar Langmuir-Blodgett films of hydrophobized colloidal gold nanoparticles by organization at the air-water interface. Thin Solid Films, 2001, 384, 125-131.	0.8	31
30	A new method for the generation of patterned protein films by encapsulation in arrays of thermally evaporated lipids. Biotechnology and Bioengineering, 2001, 74, 172-178.	1.7	20
31	Enhanced Temperature and pH Stability of Fatty Amine-Endoglucanase Composites: Fabrication, Substrate Protection, and Biological Activity. Langmuir, 2001, 17, 5964-5970.	1.6	34
32	Electrostatically Controlled Organization of Carboxylic Acid Derivatized Colloidal Silver Particles on Amine-Terminated Self-Assembled Monolayers. Chemistry of Materials, 2000, 12, 1234-1239.	3.2	104
33	Hybridization of DNA by Sequential Immobilization of Oligonucleotides at the Air-Water Interface. Langmuir, 2000, 16, 9142-9146.	1.6	43
34	Encapsulation and biocatalytic activity of the enzyme pepsin in fatty lipid films by selective electrostatic interactions. Chemical Communications, 2000, , 297-298.	2.2	59
35	Formation of Patterned, Heterocolloidal Nanoparticle Thin Films. Langmuir, 2000, 16, 3553-3556.	1.6	27
36	Fabrication, Characterization, and Enzymatic Activity of Encapsulated Fungal Protease-Fatty Lipid Biocomposite Films. Analytical Chemistry, 2000, 72, 4301-4309.	3.2	54

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37	Multilayer Langmuir-Blodgett assemblies of hydrophobized CdS nanoparticles by organization at the air-water interface. <i>Journal of Materials Chemistry</i> , 2000, 10, 1389-1393.	6.7	25