

Krisanu Bandyopadhyay

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Assembled Monolayers of Small Aromatic Disulfide and Diselenide Molecules on Polycrystalline Gold Films: A Comparative Study of the Geometrical Constraint Using Temperature-Dependent Surface-Enhanced Raman Spectroscopy, X-ray Photoelectron Spectroscopy, and Electrochemistry. <i>Langmuir</i> , 1999, 15, 5314-5322.	3.5	115
2	Redox-Active Self-Assembled Monolayers for Solid-Contact Polymeric Membrane Ion-Selective Electrodes. <i>Chemistry of Materials</i> , 2002, 14, 1721-1729.	6.7	106
3	Redox-active self-assembled monolayers as novel solid contacts for ion-selective electrodes. <i>Chemical Communications</i> , 2000, , 339-340.	4.1	105
4	Adsorption of Silver Colloidal Particles through Covalent Linkage to Self-Assembled Monolayers. <i>Langmuir</i> , 1997, 13, 5244-5248.	3.5	98
5	Dithia-Crown-Annulated Tetrathiafulvalene Disulfides: Synthesis, Electrochemistry, Self-Assembled Films, and Metal Ion Recognition. <i>Journal of Organic Chemistry</i> , 2000, 65, 3292-3298.	3.2	83
6	Formation of a Self-Assembled Monolayer of Diphenyl Diselenide on Polycrystalline Gold. <i>Langmuir</i> , 1998, 14, 625-629.	3.5	57
7	Formation of a Redox Active Self-Assembled Monolayer: Naphtho[1,8-cd]-1,2-dithiol on Gold. <i>Langmuir</i> , 1997, 13, 866-869.	3.5	42
8	Impedance analysis of self-assembled naphthalene disulfide monolayer on gold using external redox probes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 447, 11-16.	3.8	41
9	Formation of Microcrystalline Zirconia Using the Functionalized Interface of a Self-Assembled Monolayer of Dithiol on Polycrystalline Gold at Room Temperature. <i>Langmuir</i> , 1998, 14, 6924-6929.	3.5	38
10	Selective K ⁺ Recognition at the Interface during Self-Assembly of a Bis-Podand Thiol on a Gold Surface. <i>Langmuir</i> , 2000, 16, 2706-2714.	3.5	38
11	Self-assembled monolayers of bis-thioctic ester derivatives of oligoethyleneglycols: remarkable selectivity for K ⁺ /Na ⁺ recognition. <i>Chemical Communications</i> , 2000, , 141-142.	4.1	33
12	Effect of Geometric Constraints on the Self-Assembled Monolayer Formation of Aromatic Disulfides on Polycrystalline Gold. <i>Langmuir</i> , 1998, 14, 3808-3814.	3.5	23
13	Comparative Behavior of Aromatic Disulfide and Diselenide Monolayers on Polycrystalline Gold Films Using Cyclic Voltammetry, STM, and Quartz Crystal Microbalance. <i>Journal of Colloid and Interface Science</i> , 2001, 234, 410-417.	9.4	23
14	Fabrication of Nanoporous Templates from Diblock Copolymer Thin Films on Alkylchlorosilane-Neutralized Surfaces. <i>Langmuir</i> , 2006, 22, 11092-11096.	3.5	23
15	Deposition of DNA-Functionalized Gold Nanospheres into Nanoporous Surfaces. <i>Langmuir</i> , 2006, 22, 4978-4984.	3.5	20
16	Functionalized surface as template for in situ generation of two-dimensional metal nanoparticle assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 348, 263-269.	4.7	14
17	Two dimensional palladium nanoparticle assemblies as electrochemical dopamine sensors. <i>Inorganica Chimica Acta</i> , 2017, 468, 171-176.	2.4	12
18	Electrocatalytic properties of in situ-generated palladium nanoparticle assemblies towards oxidation of multi-carbon alcohols and polyalcohols. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 463, 44-54.	4.7	11

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19	A gain of function paradox: Targeted therapy for glioblastoma associated with abnormal NHE9 expression. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7859-7872.	3.6	11
20	Ion Recognition at the Interface of Self-Assembled Monolayers (SAMs) of Bis-Thioctic Ester Derivatives of Oligo(ethyleneglycols). <i>Chemistry - A European Journal</i> , 2000, 6, 4385-4392.	3.3	9
21	Effect of Co-Adsorbed Surfactant on the Structure of Self-Assembled Monolayer of Thiol on Polycrystalline Gold. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 224-230.	9.4	6
22	Novel Room-temperature Synthesis of Microcrystalline Zirconia. <i>Journal of the American Ceramic Society</i> , 1999, 82, 222-224.	3.8	6
23	Synthesis of gold and palladium nanoshells by in situ generation of seeds on silica nanoparticle cores. <i>RSC Advances</i> , 2014, 4, 32283-32292.	3.6	5