

Keshab Gangopadhyay

List of Publications by Year in descending order

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docs citations

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596
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoenergetic Composites of CuO Nanorods, Nanowires, and Al ⁿ Nanoparticles. Propellants, Explosives, Pyrotechnics, 2008, 33, 122-130.	1.6	119
2	A Versatile Self-Assembly Approach toward High Performance Nanoenergetic Composite Using Functionalized Graphene. Langmuir, 2014, 30, 6556-6564.	3.5	91
3	Combustion characteristics of novel hybrid nanoenergetic formulations. Combustion and Flame, 2011, 158, 964-978.	5.2	80
4	Combustion characterization and modeling of novel nanoenergetic composites of Co ₃ O ₄ /nAl. RSC Advances, 2015, 5, 21471-21479.	3.6	61
5	Modified Nanoenergetic Composites with Tunable Combustion Characteristics for Propellant Applications. Propellants, Explosives, Pyrotechnics, 2010, 35, 384-394.	1.6	46
6	Combustion Characteristics of Silicon-Based Nanoenergetic Formulations with Reduced Electrostatic Discharge Sensitivity. Propellants, Explosives, Pyrotechnics, 2012, 37, 359-372.	1.6	37
7	Enhanced Combustion Characteristics of Bismuth Trioxide-Aluminum Nanocomposites Prepared through Graphene Oxide Directed Self-Assembly. Propellants, Explosives, Pyrotechnics, 2015, 40, 729-734.	1.6	35
8	Effect of Nitrocellulose Gasifying Binder on Thrust Performance and High-g Launch Tolerance of Miniaturized Nanothermite Thrusters. Propellants, Explosives, Pyrotechnics, 2014, 39, 374-382.	1.6	33
9	Combustion of aluminum nanoparticles and exfoliated 2D molybdenum trioxide composites. Combustion and Flame, 2018, 187, 1-10.	5.2	27
10	Plasma Modification of Polymer Surfaces and Their Utility in Building Biomedical Microdevices. Journal of Adhesion Science and Technology, 2010, 24, 2707-2739.	2.6	26
11	Reactive nanoenergetic graphene aerogel synthesized by one-step chemical reduction. Combustion and Flame, 2018, 196, 400-406.	5.2	22
12	Palladium-Functionalized Nanostructured Platforms for Enhanced Hydrogen Sensing. Nanomaterials and Nanotechnology, 2016, 6, 40.	3.0	21
13	Single-Molecule Surface Plasmon-Coupled Emission with Plasmonic Gratings. ACS Omega, 2017, 2, 2041-2045.	3.5	16
14	Crystallization of amorphous silicon by self-propagation of nanoengineered thermites. Journal of Applied Physics, 2007, 101, 054509.	2.5	13
15	In Situ Characterization of Photothermal Nanoenergetic Combustion on a Plasmonic Microchip. ACS Applied Materials & Interfaces, 2018, 10, 427-436.	8.0	13
16	Ultrafine Pt nanoparticle induced doping/strain of single layer graphene: experimental corroboration between conduction and Raman characteristics. Journal of Materials Science: Materials in Electronics, 2015, 26, 4746-4753.	2.2	12
17	Synthesis, characterization and nanoenergetic utilizations of fluorine, oxygen co-functionalized graphene by one-step XeF ₂ exposure. Combustion and Flame, 2020, 215, 324-332.	5.2	10
18	Enhanced DNA Detection Through the Incorporation of Nanocones and Cavities Into a Plasmonic Grating Sensor Platform. IEEE Sensors Journal, 2016, 16, 3403-3408.	4.7	8

#	ARTICLE	IF	CITATIONS
19	Nanoscale surface reactions by laser irradiation of Al nanoparticles on MoO ₃ flakes. Nanotechnology, 2019, 30, 045703.	2.6	8
20	Super-Resolution Light Microscopy Using Plasmonic Gratings. Microscopy Today, 2017, 25, 42-47.	0.3	7
21	Synchronized Electromechanical Shock Wave-Induced Bacterial Transformation. ACS Omega, 2019, 4, 8512-8521.	3.5	7
22	On-Chip Initiation and Burn Rate Measurements of Thermite Energetic Reactions. Materials Research Society Symposia Proceedings, 2005, 896, 21.	0.1	6
23	Single-Molecule Detection in Nanogap-Embedded Plasmonic Gratings. Nanobiomedicine, 2015, 2, 8.	5.7	6
24	Stability study of iodinated reduced graphene oxide and its application in self-assembled Al/Bi ₂ O ₃ nanothermite composites. Nano Futures, 2020, 4, 045002.	2.2	5
25	Influence of Pt Nanoparticle Induced Defects and Surface Coverage in Determining Asymmetric Programming/Erasing Signatures for Nanocrystal Embedded Nonvolatile Memory Applications. Advanced Materials Interfaces, 2016, 3, 1600436.	3.7	4
26	Novel process for low temperature crystallization of a-SiC:H for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2009, 20, 412-415.	2.2	3
27	Enhanced fluorescence through the incorporation of nanocones/gaps into a plasmonic gratings sensor platform. , 2014, , .		2
28	Extending lipoarabinomannan detection limitations with plasmonic gratings. , 2017, , .		2
29	Novel nanostructured platform and nanoparticles for sensitive detection of biological materials. , 2010, , .		1