

Pulikanti Guruprasad Reddy

List of Publications by Year in descending order

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22
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#	ARTICLE	IF	CITATIONS
1	Lignin: Drug/Gene Delivery and Tissue Engineering Applications. International Journal of Nanomedicine, 2021, Volume 16, 2419-2441.	6.7	59
2	Recent advances in non-chemically amplified photoresists for next generation IC technology. RSC Advances, 2016, 6, 74462-74481.	3.6	32
3	Design, development, EUVL applications and nano mechanical properties of a new HfO ₂ based hybrid non-chemically amplified resist. RSC Advances, 2016, 6, 67143-67149.	3.6	28
4	EUV photofragmentation study of hybrid nonchemically amplified resists containing antimony as an absorption enhancer. RSC Advances, 2018, 8, 10930-10938.	3.6	24
5	Polyarylenesulfonium Salt as a Novel and Versatile Nonchemically Amplified Negative Tone Photoresist for High-Resolution Extreme Ultraviolet Lithography Applications. ACS Applied Materials & Interfaces, 2017, 9, 17-21.	8.0	21
6	Solid-State Isolation of Cyclic Alkyl(Amino) Carbene (cAAC)-Supported Structurally Diverse Alkali Metal-Phosphinidenides. Chemistry - A European Journal, 2021, 27, 200-206.	3.3	15
7	Organic-inorganic hybrid photoresists containing hexafluoroantimonate: design, synthesis and high resolution EUV lithography studies. Materials Chemistry Frontiers, 2017, 1, 2613-2619.	5.9	13
8	Heavy metal incorporated helium ion active hybrid non-chemically amplified resists: Nano-patterning with low line edge roughness. AIP Advances, 2017, 7, 085314.	1.3	12
9	EUV photofragmentation and oxidation of a polyarylene sulfonium resist: XPS and NEXAFS study. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 373-381.	3.9	12
10	Synthesis, structure, self-assembly and genotoxicity evaluation of a series of Mn-Anderson cluster based polyoxometalate-organic hybrids. RSC Advances, 2015, 5, 59609-59615.	3.6	11
11	[P ₂ V ₃ W ₁₅ O ₆₂] ⁹⁻ cluster based covalent polyoxometalate-organic hybrid: Synthesis, structure, self-assembly and in vitro antioxidant activities. Inorganic Chemistry Communication, 2015, 56, 65-68.	3.9	11
12	A photoacid generator integrated terpolymer for electron beam lithography applications: sensitive resist with pattern transfer potential. Materials Chemistry Frontiers, 2017, 1, 1895-1899.	5.9	11
13	An organic-inorganic hybrid supramolecular framework material based on a [P ₂ W ₁₈ O ₆₂] ⁶⁻ cluster and Yb & Na complexes of pyridine-2,6-dicarboxylic acid: a catalyst for selective oxidation of sulfides in water with H ₂ O ₂ . CrystEngComm, 2016, 18, 4272-4276.	2.6	10
14	Mechanistic insights of Sn-based non-chemically-amplified resists under EUV irradiation. Applied Surface Science, 2020, 533, 146553.	6.1	10
15	Design and development of low activation energy based nonchemically amplified resists (n-CARs) for next generation EUV lithography. Microelectronic Engineering, 2016, 164, 115-122.	2.4	7
16	Biocatalytic one pot three component approach: Facile synthesis, characterization, molecular modelling and hypoglycemic studies of new thiazolidinedione festooned quinoline analogues catalyzed by alkaline protease from Aspergillus niger. Bioorganic Chemistry, 2022, 119, 105533.	4.1	7
17	Ultrasound promoted montmorillonite K-10 catalyzed synthesis, characterization, molecular modelling, SAR and hypoglycemic studies of new rhodanine bejeweled acridine analogues. Journal of Molecular Structure, 2021, 1242, 130828.	3.6	6
18	Highly fluorescent aryl-cyclopentadienyl ligands and their tetra-nuclear mixed metallic potassium-dysprosium clusters. RSC Advances, 2020, 10, 39366-39372.	3.6	5

#	ARTICLE	IF	CITATIONS
19	Enhanced mechanical properties of the high-resolution EUVL patterns of hybrid photoresists containing hexafluoroantimonate. <i>Microelectronic Engineering</i> , 2018, 194, 100-108.	2.4	4
20	Ferrocene Bearing Non-ionic Poly-aryl Tosylates: Synthesis, Characterization and Electron Beam Lithography Applications. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 669-678.	0.3	2
21	Formation of micro/nanoparticles and microspheres from polyesters by dispersion ring-opening polymerization. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3835-3856.	3.2	2
22	Frontispiece: Solid-State Isolation of Cyclic Alkyl(Amino) Carbene (cAAC)-Supported Structurally Diverse Alkali Metal-Phosphinidenides. <i>Chemistry - A European Journal</i> , 2021, 27, .	3.3	0