

Pranav Utpalla

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pore interconnectivity and surface accessibility in stiffened mixed linker MOFs: An investigation using variable energy positron spectroscopy. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122738.	1.4	5
2	Free volume structure at interphase region of poly (ethylene oxide)-Al ₂ O ₃ nanorods composites based solid polymer electrolyte and its direct correlation with Li ion conductivity. <i>Solid State Ionics</i> , 2022, 375, 115840.	1.3	16
3	Pore architecture evolution and OER catalytic activity of hollow Co/Zn Zeolitic Imidazolate Frameworks. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111814.	2.2	12
4	Role of free volumes and segmental dynamics on ion conductivity of PEO/LiTFSI solid polymer electrolytes filled with SiO ₂ nanoparticles: a positron annihilation and broadband dielectric spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8585-8597.	1.3	19
5	Fine tuning of pore architecture and morphology of stiffened Zeolitic Imidazolate Frameworks synthesized using fast current driven method and mixed ligand strategy. <i>Microporous and Mesoporous Materials</i> , 2021, 327, 111409.	2.2	10
6	Micrometer scale pore-interconnectivity in nanoporous ZIF-8 films with Zn enriched surface terminations. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110519.	2.2	14
7	Crystal Size-Dependent Pore Architecture and Surface Chemical Characteristics of Desolvated ZIF-8 Investigated Using Positron Annihilation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25291-25298.	1.5	15
8	Probing emission and defects in BaW _x Mo _{1-x} O ₄ solid solutions: achieving color tunable luminescence by W/Mo ratio and size manipulation. <i>New Journal of Chemistry</i> , 2020, 44, 10380-10389.	1.4	9
9	Investigating the Correlation of Segmental Dynamics, Free Volume Characteristics, and Ionic Conductivity in Poly(ethylene oxide)-Based Electrolyte: A Broadband Dielectric and Positron Annihilation Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4489-4501.	1.5	28
10	Defect evolution in Eu ³⁺ , Nb ⁵⁺ doped and co-doped CeO ₂ : X-ray diffraction, positron annihilation lifetime and photoluminescence studies. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2167-2177.	3.0	29
11	Investigation of the free volume characteristics of PEO based solid state polymer electrolyte by means of positron annihilation spectroscopy. <i>Solid State Ionics</i> , 2019, 339, 114990.	1.3	17
12	Free volume correlation with ac conductivity and thermo-mechanical properties of poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50	2.6	17
13	Comparative performance analysis of InGaN/GaN multi-quantum-well light-emitting diodes with p- and n-type step-doped barriers. <i>Journal of Computational Electronics</i> , 2016, 15, 1040-1045.	1.3	2