

Mahesh Vaka

List of Publications by Year in descending order

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19
papers

580
citations

840776
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h-index

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all docs

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docs citations

20
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion, rheology, and thermal ageing behaviour of the eutectic salt-based graphene hybrid nanofluid for high-temperature TES applications. Journal of Molecular Liquids, 2021, 334, 116156.	4.9	3
2	Recent progress in solar water heaters and solar collectors: A comprehensive review. Thermal Science and Engineering Progress, 2021, 25, 100981.	2.7	42
3	Carbon Nanotubes and Their Composites: From Synthesis to Applications. Engineering Materials, 2021, , 37-67.	0.6	4
4	Highly sensitive pressure sensor based on graphene hybrids. Arabian Journal of Chemistry, 2020, 13, 1917-1923.	4.9	11
5	A Review: Emphasizing the Nanofluids Use in PV/T Systems. IEEE Access, 2020, 8, 58227-58249.	4.2	26
6	A review on Malaysia's solar energy pathway towards carbon-neutral Malaysia beyond Covid-19 pandemic. Journal of Cleaner Production, 2020, 273, 122834.	9.3	149
7	High-temperature molten salts optimisation using mixture design for energy storage application. Journal of Energy Storage, 2020, 32, 101981.	8.1	16
8	Rheological behaviour of eutectic nanofluids containing a low fraction of GO/TiO ₂ hybrid nanoparticles. Thermal Science and Engineering Progress, 2020, 20, 100753.	2.7	4
9	Synthesis of Hybrid Graphene/TiO ₂ Nanoparticles Based High-Temperature Quinary Salt Mixture for Energy Storage Application. Journal of Energy Storage, 2020, 31, 101540.	8.1	29
10	Low-melting-temperature binary molten nitrate salt mixtures for solar energy storage. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2657-2664.	3.6	13
11	Synthesis of crumpled graphene by fast cooling method. AIP Conference Proceedings, 2019, , .	0.4	4
12	Investigating the effect of graphene on eutectic salt properties for thermal energy storage. Materials Research Bulletin, 2019, 119, 110568.	5.2	13
13	Synthesis and characterization of hybrid graphene oxide/gold nanoparticle. AIP Conference Proceedings, 2019, , .	0.4	1
14	Synthesis of organic phase change materials (PCM) for energy storage applications: A review. Nano Structures Nano Objects, 2019, 20, 100399.	3.5	137
15	Recent Progress and Challenges in Transformer Oil Nanofluid Development: A Review on Thermal and Electrical Properties. IEEE Access, 2019, 7, 151422-151438.	4.2	42
16	Role of cerium in microstructure and corrosion properties of Sn-1.0Ag solder alloys. Materials Letters, 2018, 228, 309-313.	2.6	27
17	A STUDY ON THE LOCALIZED CORROSION INHIBITION FOR MILD STEEL IN SALINE SOLUTION. Science and Technology, 2018, 56, 174.	0.2	0
18	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. Electrochimica Acta, 2016, 210, 539-547.	5.2	8

#	ARTICLE	IF	CITATIONS
19	Corrosion behavior of TiN, TiAlN, TiAlSiN-coated 316L stainless steel in simulated proton exchange membrane fuel cell environment. Journal of Power Sources, 2014, 268, 240-245.	7.8	51