

# Mahesh Vaka

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

580  
citations

840776

11  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

630  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on Malaysia's solar energy pathway towards carbon-neutral Malaysia beyond Covid-19 pandemic. <i>Journal of Cleaner Production</i> , 2020, 273, 122834.	9.3	149
2	Synthesis of organic phase change materials (PCM) for energy storage applications: A review. <i>Nano Structures Nano Objects</i> , 2019, 20, 100399.	3.5	137
3	Corrosion behavior of TiN, TiAlN, TiAlSiN-coated 316L stainless steel in simulated proton exchange membrane fuel cell environment. <i>Journal of Power Sources</i> , 2014, 268, 240-245.	7.8	51
4	Recent Progress and Challenges in Transformer Oil Nanofluid Development: A Review on Thermal and Electrical Properties. <i>IEEE Access</i> , 2019, 7, 151422-151438.	4.2	42
5	Recent progress in solar water heaters and solar collectors: A comprehensive review. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 100981.	2.7	42
6	Synthesis of Hybrid Graphene/TiO <sub>2</sub> Nanoparticles Based High-Temperature Quinary Salt Mixture for Energy Storage Application. <i>Journal of Energy Storage</i> , 2020, 31, 101540.	8.1	29
7	Role of cerium in microstructure and corrosion properties of Sn-1.0Ag solder alloys. <i>Materials Letters</i> , 2018, 228, 309-313.	2.6	27
8	A Review: Emphasizing the Nanofluids Use in PV/T Systems. <i>IEEE Access</i> , 2020, 8, 58227-58249.	4.2	26
9	High-temperature molten salts optimisation using mixture design for energy storage application. <i>Journal of Energy Storage</i> , 2020, 32, 101981.	8.1	16
10	Investigating the effect of graphene on eutectic salt properties for thermal energy storage. <i>Materials Research Bulletin</i> , 2019, 119, 110568.	5.2	13
11	Low-melting-temperature binary molten nitrate salt mixtures for solar energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2657-2664.	3.6	13
12	Highly sensitive pressure sensor based on graphene hybrids. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1917-1923.	4.9	11
13	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. <i>Electrochimica Acta</i> , 2016, 210, 539-547.	5.2	8
14	Synthesis of crumpled graphene by fast cooling method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
15	Rheological behaviour of eutectic nanofluids containing a low fraction of GO/TiO <sub>2</sub> hybrid nanoparticles. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100753.	2.7	4
16	Carbon Nanotubes and Their Composites: From Synthesis to Applications. <i>Engineering Materials</i> , 2021, , 37-67.	0.6	4
17	Corrosion, rheology, and thermal ageing behaviour of the eutectic salt-based graphene hybrid nanofluid for high-temperature TES applications. <i>Journal of Molecular Liquids</i> , 2021, 334, 116156.	4.9	3
18	Synthesis and characterization of hybrid graphene oxide/gold nanoparticle. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	A STUDY ON THE LOCALIZED CORROSION INHIBITION FOR MILD STEEL IN SALINE SOLUTION. Science and Technology, 2018, 56, 174.	0.2	0