

Abdelrahman H Hussein

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

353
citations

1163117

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1372567

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all docs

10
docs citations

10
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient hydrogen storage in defective graphene and its mechanical stability: A combined density functional theory and molecular dynamics simulation study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 5485-5494.	7.1	30
2	The effect of hydrogen content and yield strength on the distribution of hydrogen in steel: a diffusion coupled micromechanical FEM study. <i>Acta Materialia</i> , 2021, 209, 116799.	7.9	29
3	A novel method for fabricating bioinspired layered nanocomposites using aligned graphene oxide/PVDF and their micromechanical modeling. <i>Materials Today Communications</i> , 2020, 24, 101050.	1.9	9
4	Micromechanics based FEM study on the mechanical properties and damage of epoxy reinforced with graphene based nanoplatelets. <i>Composite Structures</i> , 2019, 215, 266-277.	5.8	41
5	Graphene/polymer nanocomposites: The active role of the matrix in stiffening mechanics. <i>Composite Structures</i> , 2018, 202, 170-181.	5.8	33
6	Cryogenic fracture behavior of epoxy reinforced by a novel graphene oxide/poly(p-phenylenediamine) hybrid. <i>Composites Part B: Engineering</i> , 2017, 129, 133-142.	12.0	44
7	Effects of Changing the Amount of Oxidizing Agents on the Structural Properties of Graphene Oxide and its Dispersion Stability in an Aqueous Medium. <i>Chemical Engineering Communications</i> , 2017, 204, 221-231.	2.6	3
8	Epoxy/p-phenylenediamine functionalized graphene oxide composites and evaluation of their fracture toughness and tensile properties. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	36
9	Low Temperature Reduction of Graphene Oxide Using Hot-plate for Nanocomposites Applications. <i>Journal of Materials Science and Technology</i> , 2016, 32, 411-418.	10.7	24
10	Biocompatibility of new Ti-Nb-Ta base alloys. <i>Materials Science and Engineering C</i> , 2016, 61, 574-578.	7.3	104