

Taysir Sumer Gaaz

List of Publications by Year in descending order

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36
papers

1,455
citations

430442

18
h-index

360668

35
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all docs

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docs citations

36
times ranked

1565
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and Applications of Polyvinyl Alcohol, Halloysite Nanotubes and Their Nanocomposites. <i>Molecules</i> , 2015, 20, 22833-22847.	1.7	487
2	Synthesis and characterization of a novel organic corrosion inhibitor for mild steel in 1â€M hydrochloric acid. <i>Results in Physics</i> , 2018, 8, 728-733.	2.0	111
3	The Impact of Halloysite on the Thermo-Mechanical Properties of Polymer Composites. <i>Molecules</i> , 2017, 22, 838.	1.7	82
4	Development of new corrosion inhibitor tested on mild steel supported by electrochemical study. <i>Results in Physics</i> , 2018, 8, 1260-1267.	2.0	71
5	Experimental and theoretical studies of benzoxazines corrosion inhibitors. <i>Results in Physics</i> , 2017, 7, 4013-4019.	2.0	66
6	Experimental and theoretical studies of Schiff bases as corrosion inhibitors. <i>Chemistry Central Journal</i> , 2018, 12, 7.	2.6	66
7	Impact of Sulfuric Acid Treatment of Halloysite on Physico-Chemic Property Modification. <i>Materials</i> , 2016, 9, 620.	1.3	59
8	Experimental and quantum chemical simulations on the corrosion inhibition of mild steel by 3-((5-(3,5-dinitrophenyl)-1,3,4-thiadiazol-2-yl)imino)indolin-2-one. <i>Results in Physics</i> , 2018, 9, 278-283.	2.0	47
9	Case study on solar water heating for flat plate collector. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 666-671.	2.8	46
10	Synthesis and corrosion inhibition application of NATN on mild steel surface in acidic media complemented with DFT studies. <i>Results in Physics</i> , 2018, 8, 1178-1184.	2.0	43
11	Synthesis, Characterization, and Corrosion Inhibition Potential of Novel Thiosemicarbazone on Mild Steel in Sulfuric Acid Environment. <i>Coatings</i> , 2019, 9, 729.	1.2	42
12	Electrochemical studies of novel corrosion inhibitor for mild steel in 1â€M hydrochloric acid. <i>Results in Physics</i> , 2018, 9, 978-981.	2.0	37
13	Study of the electrical and thermal performances of photovoltaic thermal collector-compound parabolic concentrated. <i>Results in Physics</i> , 2018, 9, 500-510.	2.0	32
14	Experimental studies on inhibition of mild steel corrosion by novel synthesized inhibitor complemented with quantum chemical calculations. <i>Results in Physics</i> , 2018, 10, 291-296.	2.0	28
15	Outdoor Performance Analysis of a Photovoltaic Thermal (PVT) Collector with Jet Impingement and Compound Parabolic Concentrator (CPC). <i>Materials</i> , 2017, 10, 888.	1.3	23
16	Unique Halloysite Nanotubesâ€Polyvinyl Alcoholâ€Polyvinylpyrrolidone Composite Complemented with Physicoâ€Chemical Characterization. <i>Polymers</i> , 2017, 9, 207.	2.0	23
17	Surface Improvement of Halloysite Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 291.	1.3	21
18	Effect of phosphoric acid on the morphology and tensile properties of halloysite-polyurethane composites. <i>Results in Physics</i> , 2018, 9, 33-38.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Optimizing Injection Molding Parameters of Different Halloysites Type-Reinforced Thermoplastic Polyurethane Nanocomposites via Taguchi Complemented with ANOVA. <i>Materials</i> , 2016, 9, 947.	1.3	17
20	Effect of Starch Loading on the Thermo-Mechanical and Morphological Properties of Polyurethane Composites. <i>Materials</i> , 2017, 10, 777.	1.3	17
21	Effect of halloysite nanotubes loading on thermo-mechanical and morphological properties of polyurethane nanocomposites. <i>Materials Technology</i> , 2017, 32, 430-442.	1.5	15
22	Evaluation and characterization of the symbiotic effect of benzylidene derivative with titanium dioxide nanoparticles on the inhibition of the chemical corrosion of mild steel. <i>International Journal of Corrosion and Scale Inhibition</i> , 2019, 8, .	0.5	14
23	Mechanical and Physical Properties of Injection Molded Halloysite Nanotubes-Thermoplastic Polyurethane Nanocomposites. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2748-2752.	0.5	12
24	Absolute variation of the mechanical characteristics of halloysite reinforced polyurethane nanocomposites complemented by Taguchi and ANOVA approaches. <i>Results in Physics</i> , 2017, 7, 3287-3300.	2.0	9
25	Inhibitive impacts extract of <i>Citrus aurantium</i> leaves of carbon steel in corrosive media. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 559-566.	2.1	9
26	Optimizing Physio-Mechanical Properties of Halloysite Reinforced Polyurethane Nanocomposites by Taguchi Approach. <i>Science of Advanced Materials</i> , 2017, 9, 949-961.	0.1	9
27	Synthesis and characterization of erbium trioxide nanoparticles as photocatalyzers for degradation of methyl orange dye. <i>Drinking Water Engineering and Science</i> , 2019, 12, 15-21.	0.8	9
28	Biodiesel Blends Startability and Emissions During Cold, Warm and Hot Conditions. <i>Journal of Nanofluids</i> , 2020, 9, 75-89.	1.4	8
29	Morphology and tensile properties of thermoplastic polyurethane-halloysite nanotube nanocomposites. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 2844-2856.	0.5	6
30	Physical Properties of Halloysite Nanotubes-Polyvinyl Alcohol Nanocomposites Using Malonic Acid Crosslinked. <i>Jurnal Kejuruteraan</i> , 2017, 29, 71-77.	0.2	6
31	Characterization the effects of nanofluids and heating on flow in a baffled vertical channel. <i>International Journal of Mechanical and Materials Engineering</i> , 2019, 14, .	1.1	5
32	Mechanical and morphology properties of titanium oxide-epoxy nanocomposites. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 240-245.	1.2	5
33	Effect of Stick - Slip Phenomena between Human Skin and UHMW Polyethylene. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.3	5
34	Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys. <i>Silicon</i> , 2021, 13, 1215-1222.	1.8	3
35	Removal of Rhodamine Dye from Water Using Erbium Oxide Nanoparticles. <i>Korean Journal of Materials Research</i> , 2019, 29, 747-752.	0.1	2
36	ENGINEERING MATHEMATICAL MODELLING OF CORONA VIRUS (COVID-19) TRANSMISSION IN IRAQ. <i>International Journal of Students Research in Technology & Management</i> , 2021, 9, 01-14.	0.1	0