

Kemal Cellat

List of Publications by Year in descending order

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26
papers

1,291
citations

394421

19
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Nickel nanoparticles decorated on Functionalized-MWCNT for high precision non-enzymatic glucose sensing. <i>Materials Chemistry and Physics</i> , 2020, 250, 123042.	4.0	270
2	Synthesis and characterization of Reishi mushroom-mediated green synthesis of silver nanoparticles for the biochemical applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112970.	2.8	129
3	Biological synthesis of silver nanoparticles using <i>Rheum ribes</i> and evaluation of their anticarcinogenic and antimicrobial potential: A novel approach in phytonanotechnology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 113012.	2.8	95
4	Thermal enhancement of concrete by adding bio-based fatty acids as phase change materials. <i>Energy and Buildings</i> , 2015, 106, 156-163.	6.7	86
5	A novel high performance non-enzymatic electrochemical glucose biosensor based on activated carbon-supported Pt-Ni nanocomposite. <i>Journal of Molecular Liquids</i> , 2020, 300, 112355.	4.9	69
6	Composites of Bimetallic Platinum-Cobalt Alloy Nanoparticles and Reduced Graphene Oxide for Electrochemical Determination of Ascorbic Acid, Dopamine, and Uric Acid. <i>Scientific Reports</i> , 2019, 9, 12258.	3.3	67
7	Palladium supported on polypyrrole/reduced graphene oxide nanoparticles for simultaneous biosensing application of ascorbic acid, dopamine, and uric acid. <i>Scientific Reports</i> , 2020, 10, 2946.	3.3	59
8	Robust microencapsulated phase change materials in concrete mixes for sustainable buildings. <i>International Journal of Energy Research</i> , 2017, 41, 113-126.	4.5	58
9	A comparative study on corrosion behavior of rebar in concrete with fatty acid additive as phase change material. <i>Construction and Building Materials</i> , 2017, 143, 490-500.	7.2	57
10	Synthesis, characterization, and application of transition metals (Ni, Zr, and Fe) doped TiO ₂ photoelectrodes for dye-sensitized solar cells. <i>Journal of Molecular Liquids</i> , 2020, 299, 112177.	4.9	47
11	Highly monodisperse Pd-Ni nanoparticles supported on rGO as a rapid, sensitive, reusable and selective enzyme-free glucose sensor. <i>Scientific Reports</i> , 2019, 9, 19228.	3.3	41
12	2 years of monitoring results from passive solar energy storage in test cabins with phase change materials. <i>Solar Energy</i> , 2020, 200, 29-36.	6.1	41
13	Composites of palladium nanoparticles and graphene oxide as a highly active and reusable catalyst for the hydrogenation of nitroarenes. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 110014.	4.4	34
14	Preparation, characterization, and thermal properties of novel fire-resistant microencapsulated phase change materials based on paraffin and a polystyrene shell. <i>RSC Advances</i> , 2020, 10, 24134-24144.	3.6	34
15	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 - morphological and structural characterization, physico-chemical stability and mechanical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1415-1426.	16.4	33
16	Direct Incorporation of Butyl Stearate as Phase Change Material into Concrete for Energy Saving in Buildings. <i>Journal of Clean Energy Technologies</i> , 2017, 5, 64-68.	0.1	32
17	Efficient preparation and application of monodisperse palladium loaded graphene oxide as a reusable and effective heterogeneous catalyst for suzuki cross-coupling reaction. <i>Journal of Molecular Liquids</i> , 2020, 298, 111967.	4.9	27
18	Palladium/ruthenium supported on graphene oxide (PdRu@GO) as an efficient, stable and rapid catalyst for hydrogen production from DMAB under room conditions. <i>Renewable Energy</i> , 2020, 161, 200-206.	8.9	21

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19	A Novel Hydrogenation of Nitroarene Compounds with Multi Wall Carbon Nanotube Supported Palladium/Copper Nanoparticles (PdCu@MWCNT NPs) in Aqueous Medium. Scientific Reports, 2020, 10, 8043.	3.3	20
20	Comparison of nanoscale zero-valent iron, fenton, and photo-fenton processes for degradation of pesticide 2,4-dichlorophenoxyacetic acid in aqueous solution. SN Applied Sciences, 2019, 1, 1.	2.9	19
21	Comprehensive investigation of butyl stearate as a multifunctional smart concrete additive for energy-efficient buildings. International Journal of Energy Research, 2019, 43, 7146.	4.5	13
22	Treatment of Olive Mill Wastewater by Catalytic Ozonation Using Activated Carbon Prepared from Olive Stone by KOH. Asian Journal of Chemistry, 2015, 27, 4106-4110.	0.3	11
23	Characterization of Concrete Mixes Containing Phase Change Materials. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012118.	0.6	10
24	Inorganic Electrolytes in Supercapacitor. Materials Research Foundations, 2019, , 11-30.	0.3	9
25	Single-Walled Carbon Nanotube Supported PtNi Nanoparticles (PtNi@SWCNT) Catalyzed Oxidation of Benzyl Alcohols to the Benzaldehyde Derivatives in Oxygen Atmosphere. Scientific Reports, 2020, 10, 9656.	3.3	7
26	Metal Organic Frameworks (MOFs™) for Biosensing and Bioimaging Applications. Materials Research Foundations, 2019, , 308-360.	0.3	2