

# Gheffar Kara

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,674  
citations

318942

23  
h-index

488211

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fight against COVID-19: The case of antiviral surfaces. <i>APL Materials</i> , 2021, 9, 031112.	2.2	62
2	Structure-rate performance relationship in Si nanoparticles-carbon nanofiber composite as flexible anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 330, 135232.	2.6	25
3	Surface treatment of Basalt fiber for use in automotive composites. <i>Materials Today Chemistry</i> , 2020, 17, 100334.	1.7	63
4	Sorption of pharmaceuticals and personal care products (PPCPs) onto a sustainable cotton based adsorbent. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100324.	1.6	16
5	Ultrafast microwave assisted development of magnetic carbon microtube from cotton waste for wastewater treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125449.	2.3	15
6	Hierarchically Structured Porous Piezoelectric Polymer Nanofibers for Energy Harvesting. <i>Advanced Science</i> , 2020, 7, 2000517.	5.6	55
7	Death by waste: Fashion and textile circular economy case. <i>Science of the Total Environment</i> , 2020, 718, 137317.	3.9	252
8	Towards a Green and Self-Powered Internet of Things Using Piezoelectric Energy Harvesting. <i>IEEE Access</i> , 2019, 7, 94533-94556.	2.6	133
9	Thermodynamic approach to tailor porosity in piezoelectric polymer fibers for application in nanogenerators. <i>Nano Energy</i> , 2019, 62, 594-600.	8.2	46
10	In-Situ Preparation of Three Types of Noble Metal Nanoparticles-Polyacrylonitrile Nanofibers (NM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Irradiation. <i>Proceedings (mdpi)</i> , 2019, 41, 19.	0.2	0
11	Sustainable carbon microtube derived from cotton waste for environmental applications. <i>Chemical Engineering Journal</i> , 2019, 361, 1605-1616.	6.6	32
12	The light enhanced removal of Bisphenol A from wastewater using cotton waste derived carbon microtubes. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 425-432.	5.0	27
13	Super hard carbon microtubes derived from natural cotton for development of high performance titanium composites. <i>Journal of Alloys and Compounds</i> , 2019, 775, 601-616.	2.8	37
14	CuFe <sub>2</sub> O <sub>4</sub> @CuO: A Magnetic Composite Synthesized by Ultrasound Irradiation and Degradation of Methylene Blue on Its Surface in the Presence of Sunlight. <i>Proceedings (mdpi)</i> , 2019, 48, .	0.2	7
15	Periodical patterning of a fully tailored nanocarbon on CNT for fabrication of thermoplastic composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 304-314.	3.8	25
16	Ultra-low temperature fabrication of vanadium carbide reinforced aluminum nano composite through spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2018, 753, 433-445.	2.8	37
17	Towards predicting the piezoelectricity and physiochemical properties of the electrospun P(VDF-TrFE) nanogenerators using an artificial neural network. <i>Polymer Testing</i> , 2018, 66, 178-188.	2.3	29
18	Sustainable periodically patterned carbon nanotube for environmental application: Introducing the cheetah skin structure. <i>Journal of Cleaner Production</i> , 2018, 179, 429-440.	4.6	23

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19	Thermomechanical performance of cheetah skin carbon nanotube embedded composite: Isothermal and non-isothermal investigation. <i>Polymer</i> , 2018, 145, 294-309.	1.8	14
20	Porous and non-porous alumina reinforced magnesium matrix composite through microwave and spark plasma sintering processes. <i>Materials Chemistry and Physics</i> , 2018, 212, 252-259.	2.0	28
21	Microwave and spark plasma sintering of carbon nanotube and graphene reinforced aluminum matrix composite. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1042-1054.	1.9	72
22	Evaluation of microstructure and mechanical properties of Al-TaC composites prepared by spark plasma sintering process. <i>Journal of Alloys and Compounds</i> , 2017, 705, 283-289.	2.8	52
23	Cheetah skin structure: A new approach for carbon-nano-patterning of carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 95, 304-314.	3.8	28
24	Nano TiB <sub>2</sub> and TiO <sub>2</sub> reinforced composites: A comparative investigation on strengthening mechanisms and predicting mechanical properties via neural network modeling. <i>Ceramics International</i> , 2017, 43, 16799-16810.	2.3	25
25	Carbon fiber reinforced metal matrix composites: Fabrication processes and properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 92, 70-96.	3.8	406
26	Al-TiB <sub>2</sub> micro/nanocomposites: Particle capture investigations, strengthening mechanisms and mathematical modelling of mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 98-106.	2.6	60
27	PVDF/graphene composite nanofibers with enhanced piezoelectric performance for development of robust nanogenerators. <i>Composites Science and Technology</i> , 2017, 138, 49-56.	3.8	256
28	Evaluation of Microstructure and Mechanical Properties of Al-TiC Metal Matrix Composite Prepared by Conventional, Microwave and Spark Plasma Sintering Methods. <i>Materials</i> , 2017, 10, 1255.	1.3	53
29	Vanadium carbide reinforced aluminum matrix composite prepared by conventional, microwave and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2016, 688, 527-533.	2.8	73
30	Functionally graded materials: A review of fabrication and properties. <i>Applied Materials Today</i> , 2016, 5, 223-245.	2.3	640
31	Development empirical-intelligent relationship between plasma spray parameters and coating performance of Yttria-Stabilized Zirconia. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 1031-1045.	1.5	45
32	Statistical analysis and multiobjective optimization of process parameters in plasma spraying of partially stabilized zirconia. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 75, 739-753.	1.5	38