Ferial Ghaemi

List of Publications by Year
in descending order

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Version: 2024-02-01

53 papers	1,236 citations	331259 21 h-index	395343 33 g-index
53 all docs	53 docs citations	53 times ranked	1309 citing authors

#	Article	IF	Citations
1	Metalâ€“organic framework-based sorbents in analytical sample preparation. Coordination Chemistry Reviews, 2021, 445, 214107.	9.5	138
2	Methods for coating solid-phase microextraction fibers with carbon nanotubes. TrAC - Trends in Analytical Chemistry, 2014, 59, 133-143.	5.8	90
3	Uncertain viscoelastic models with fractional order: A new spectral tau method to study the numerical simulations of the solution. Communications in Nonlinear Science and Numerical Simulation, 2017, 53, 44-64.	1.7	87
4	Magnetized graphene layers synthesized on the carbon nanofibers as novel adsorbent for the extraction of polycyclic aromatic hydrocarbons from environmental water samples. Journal of Chromatography A, 2016, 1465, 1-8.	1.8	60
5	Hybrid nanocomposites prepared from a metal-organic framework of type MOF-199(Cu) and graphene or fullerene as sorbents for dispersive solid phase extraction of polycyclic aromatic hydrocarbons. Mikrochimica Acta, 2019, 186, 131.	2.5	60
6	Microcrystalline cellulose/metalâ^'organic framework hybrid as a sorbent for dispersive micro-solid phase extraction of chlorophenols in water samples. Journal of Chromatography A, 2020, 1626, 461386.	1.8	51
7	Carbon nanofibers decorated with magnetic nanoparticles as a new sorbent for the magnetic solid phase extraction of selected polycyclic aromatic hydrocarbons from water samples. New Journal of Chemistry, 2015, 39, 5621-5627.	1.4	47
8	Superheated steam pretreatment of cellulose affects its electrospinnability for microfibrillated cellulose production. Cellulose, 2018, 25, 3853-3859.	2.4	40
9	Graphene oxide/polydimethylsiloxane-coated stainless steel mesh for use in solid-phase extraction cartridges and extraction of polycyclic aromatic hydrocarbons. Mikrochimica Acta, 2020, 187, 213.	2.5	40
10	Comparative study of the solâ€“gel based solid phase microextraction fibers in extraction of naphthalene, fluorene, anthracene and phenanthrene from saffron samples extractants. Mikrochimica Acta, 2012, 176, 317-325.	2.5	37
11	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 28822-28831.	1.7	37
12	QCA Based Error Detection Circuit for Nano Communication Network. IEEE Access, 2019, 7, 67355-67366.	2.6	36
13	Characterization and Cellular Internalization of Spherical Cellulose Nanocrystals (CNC) into Normal and Cancerous Fibroblasts. Materials, 2019, 12, 3251.	1.3	30
14	Influence of hybrid nanofluids and heat generation on coupled heat and mass transfer flow of a viscous fluid with novel fractional derivative. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2057.	2.0	30
15	Application of Fuzzy Fractional Kinetic Equations to Modelling of the Acid Hydrolysis Reaction. Abstract and Applied Analysis, 2013, 2013, 1-19.	0.3	29
16	Solid-phase extraction of non-steroidal anti-inflammatory drugs in human plasma and water samples using solâ€“gel-based metal-organic framework coating. Journal of Chromatography A, 2021, 1648, 462168.	1.8	29
17	Microextraction in packed syringeÂby usingÂa three-dimensional carbon nanotube/carbon nanofiberâ€“graphene nanostructure coupled to dispersive liquid-liquid microextraction for the determination of phthalate esters in water samples. Mikrochimica Acta, 2017, 184, 3851-3858.	2.5	28
18	Graphene grown on stainless steel mesh as a highly efficient sorbent for sorptive microextraction of polycyclic aromatic hydrocarbons from water samples. Analytica Chimica Acta, 2017, 994, 29-37.	2.6	27

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19	Role of different types of nanomaterials against diagnosis, prevention and therapy of COVID-19. Sustainable Cities and Society, 2021, 72, 103046.	5.1	25
20	Effect of growing graphene flakes on branched carbon nanofibers based on carbon fiber on mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 9925-9932.	1.7	23
21	Effects of Thickness and Amount of Carbon Nanofiber Coated Carbon Fiber on Improving the Mechanical Properties of Nanocomposites. Nanomaterials, 2016, 6, 6.	1.9	23
22	Thermally stable carbon nanofibers functionalized with poly(dimethylsiloxane) for solid-phase microextraction of polycyclic aromatic hydrocarbons prior to GC analysis. Mikrochimica Acta, 2016, 183, 1917-1924.	2.5	22
23	Few- and multi-layer graphene on carbon fibers: synthesis and application. RSC Advances, 2015, 5, 81266-81274.	1.7	19
24	Synthesis of Different Layers of Graphene on Stainless Steel Using the CVD Method. Nanoscale Research Letters, 2016, 11, 506.	3.1	19
25	Development of novel magnetic solid-phase extraction sorbent based on Fe3O4/carbon nanosphere/polypyrrole composite and their application to the enrichment of polycyclic aromatic hydrocarbons from water samples prior to GCâ€“FID analysis. Journal of the Iranian Chemical Society, 2018, 15, 153-161.	1.2	18
26	Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. Nanoscale Research Letters, 2018, 13, 112.	3.1	17
27	Numerical and experimental analysis of temperature distribution and melt flow in fiber laser welding of Inconel 625. International Journal of Advanced Manufacturing Technology, 2022, 121, 765-784.	1.5	17
28	Synthesis of Carbon Nanomaterials Using Catalytic Chemical Vapor Deposition Technique. , 2019, , 1-27.		16
29	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 669-675.	1.0	15
30	Carbon nanospheres covalently modified with polydimethylsiloxane on a porous solâ€“gel support for use in headspace solid-phase fiber microextraction of BTEX. Mikrochimica Acta, 2017, 184, 297-305.	2.5	13
31	Determining Proteinâ€“Protein Interaction Using Support Vector Machine: A Review. IEEE Access, 2021, 9, 12473-12490.	2.6	12
32	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. Chemical Engineering Communications, 2016, 203, 463-470.	1.5	11
33	Lignocellulose Structure and the Effect on Nanocellulose Production. , 2019, , 17-30.		10
34	Reversible Palm Vein Authenticator Design With Quantum Dot Cellular Automata for Information Security in Nanocommunication Network. IEEE Access, 2020, 8, 174821-174832.	2.6	10
35	Core/Shell Structure of Ni/NiO Encapsulated in Carbon Nanosphere Coated with Few- and Multi-Layered Graphene: Synthesis, Mechanism and Application. Polymers, 2016, 8, 381.	2.0	9
36	Circuit Level Modeling of Electrically Doped Adenineâ€“Thymine Nanotube Based Field Effect Transistor. IEEE Access, 2020, 8, 6168-6176.	2.6	8

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37	DNA Sequences Compression by GPÂ² R and Selective Encryption Using Modified RSA Technique. IEEE Access, 2020, 8, 76880-76895.	2.6	7
38	Heat transfer analysis of micropolar hybrid nanofluid over an oscillating vertical plate and Newtonian heating. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2079-2090.	2.0	7
39	Synthesis and comparative study of thermal, electrochemical, and cytotoxicity properties of graphene flake and sheet. Research on Chemical Intermediates, 2017, 43, 4981-4991.	1.3	6
40	Convection heat transfer under the effect of uniform and periodic magnetic fields with uniform internal heat generation: a new comprehensive work to develop the ability of the multi relaxation time lattice Boltzmann method. Journal of Thermal Analysis and Calorimetry, 2022, 147, 7883-7897.	2.0	5
41	Comparative study of cellulose nanofiber and carbon nanofiber effects as reinforcement fillers on mechanical properties of polypropylene composites. AIP Conference Proceedings, 2017, , .	0.3	4
42	Improve the heat exchanger efficiency via examine the Graphene Oxide nanoparticles: a comprehensive study of the preparation and stability, predict the thermal conductivity and rheological properties, convection heat transfer and pressure drop. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	4
43	Numerical analysis of the effect of hot dent infusion jet on the fluid flow and heat transfer rate through the microchannel in the presence of external magnetic field. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8397-8409.	2.0	4
44	Lattice Boltzmann method to study free convection and entropy generation of power-law fluids under influence of magnetic field and heat absorption/generation. Journal of Thermal Analysis and Calorimetry, 2022, 147, 10569-10594.	2.0	4
45	Electrically Doped Nanoscale Devices Using First-Principle Approach: A Comprehensive Survey. Nanoscale Research Letters, 2021, 16, 20.	3.1	3
46	Synthesis of Carbon Nanotube-Carbon Nanosphere on the CF Surface by CVD. Advanced Materials Research, 0, 1134, 209-212.	0.3	2
47	Natural and synthetics nanomaterials: comparative study on their mechanical and thermal properties as nanofiller in polymer composite. Journal of Physics: Conference Series, 2017, 914, 012014.	0.3	2
48	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of H2O molecules via molecular dynamics approach. Journal of Molecular Liquids, 2021, 341, 117430.	2.3	2
49	A Runge-Kutta Method with Lower Function Evaluations for Solving Hybrid Fuzzy Differential Equations. Lecture Notes in Computer Science, 2013, , 265-274.	1.0	1
50	Synthesis of different types of carbon nanohybrid and their effects in polymer composites. Research on Chemical Intermediates, 2018, 44, 1905-1918.	1.3	1
51	A survey study of the correlations developed for single-phase heat transfer and pressure drop using nanofluids. Journal of Thermal Analysis and Calorimetry, 0, , .	2.0	1
52	An Efficient Numerical Simulation for a Fuzzy Kinetic Model Arising in Palm Oil. Advanced Materials Research, 2015, 1134, 191-197.	0.3	0
53	Corrigendum to â€œRole of different types of nanomaterials against diagnosis, prevention and therapy of COVID-19â€³ [Sustainable Cities and Society 72 (2021) 103,046]. Sustainable Cities and Society, 2021, 74, 103125.	5.1	0