Emine Karaman

List of Publications by Year
in descending order

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92	2,169	331259	253896
papers	citations	21 h-index	43 g-index

94	94	94	3175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergistic Effects of Microwave Radiation and Nanocarbon Immobilized Membranes in the Generation of Bacteria-Free Water via Membrane Distillation. Industrial & Engineering Chemistry Research, 2022, 61, 1453-1463.	1.8	10
2	Synthesis of calcium and magnesium periodates for the development of high oxidation state battery cathodes. Materials Chemistry and Physics, 2022, 278, 125671.	2.0	1
3	Recent Developments in Blood-Compatible Superhydrophobic Surfaces. Polymers, 2022, 14, 1075.	2.0	11
4	Reduction and Elimination of Humic Acid Fouling in Air Sparged Membrane Distillation Using Nanocarbon Immobilized Membrane. Molecules, 2022, 27, 2896.	1.7	7
5	Enhanced aqueous dissolution of hydrophobic apixaban via direct incorporation of hydrophilic nanographene oxide. Colloids and Surfaces B: Biointerfaces, 2022, 216, 112512.	2.5	5
6	Computational investigation of enhanced properties in functionalized carbon nanotube doped polyvinyl alcohol gel electrolyte systems. Physical Chemistry Chemical Physics, 2021, 23, 21286-21294.	1.3	2
7	Hydrophilic and Functionalized Nanographene Oxide Incorporated Faster Dissolving Megestrol Acetate. Molecules, 2021, 26, 1972.	1.7	2
8	Nano Carbon Doped Polyacrylamide Gel Electrolytes for High Performance Supercapacitors. Molecules, 2021, 26, 2631.	1.7	11
9	Functionalized carbon nanotube doped gel electrolytes with enhanced mechanical and electrical properties for battery applications. Materials Chemistry and Physics, 2021, 264, 124448.	2.0	9
10	Development of iodate-based high oxidation state cathode for aqueous battery system. Materials Chemistry and Physics, 2021, 273, 125070.	2.0	2
11	Development of printable, flexible nickelâ€iron batteries based on composite electrodes. Energy Storage, 2020, 2, e105.	2.3	4
12	Antisolvent precipitative immobilization of micro and nanostructured griseofulvin on laboratory cultured diatom frustules for enhanced aqueous dissolution. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111308.	2.5	10
13	Enhanced Performance of Carbon Nanotube Immobilized Membrane for the Treatment of High Salinity Produced Water via Direct Contact Membrane Distillation. Membranes, 2020, 10, 325.	1.4	6
14	Coreâ€“Shell Electrospun Fibers with an Improved Open Pore Structure for Size-Controlled Delivery of Nanoparticles. ACS Applied Polymer Materials, 2020, 2, 4004-4015.	2.0	10
15	Low temperature recovery of acetoneâ€“butanolâ€“ethanol (ABE) fermentation products via microwave induced membrane distillation on carbon nanotube immobilized membranes. Sustainable Energy and Fuels, 2020, 4, 3487-3499.	2.5	23
16	Controlled synthesis of reduced graphene oxide-carbon nanotube hybrids and their aqueous behavior. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	11
17	Dry Reforming of Methane over a Ruthenium/Carbon Nanotube Catalyst. ChemEngineering, 2020, 4, 16.	1.0	6
18	Development of nickelâ€based cable batteries with carbon nanotube and polytetrafluoroethylene enhanced flexible electrodes. International Journal of Energy Research, 2020, 44, 4008-4014.	2.2	2

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19	Direct incorporation of nano graphene oxide (nGO) into hydrophobic drug crystals for enhanced aqueous dissolution. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110827.	2.5	18
20	Removal and Recovery of Methyl Tertiary Butyl Ether (MTBE) from Water Using Carbon Nanotube and Graphene Oxide Immobilized Membranes. Nanomaterials, 2020, 10, 578.	1.9	11
21	Improved Electrophoretic Deposition of Vertical Single Wall Carbon Nanotubes with Nanoscopic Electrostatic Lenses. Micromachines, 2020, 11, 324.	1.4	4
22	Microwave Induced Membrane Distillation for Enhanced Ethanolâ€“Water Separation on a Carbon Nanotube Immobilized Membrane. Industrial & Engineering Chemistry Research, 2019, 58, 18313-18319.	1.8	28
23	Data related to the synthesis, characterization and electrochemical performance of high capacity sodium manganese periodate electrodes. Data in Brief, 2019, 25, 104136.	0.5	2
24	Nanoporous hierarchical carbon structures derived from fungalbasidiocarpsfor high performance supercapacitors. Energy Storage, 2019, 1, e58.	2.3	7
25	Nanostructured Diatom-ZrO2 composite as a selective and highly sensitive enzyme free electrochemical sensor for detection of methyl parathion. Sensors and Actuators B: Chemical, 2019, 288, 611-617.	4.0	44
26	Reduction of scaling in microwave induced membrane distillation on a carbon nanotube immobilized membrane. Environmental Science: Water Research and Technology, 2019, 5, 1012-1021.	1.2	14
27	High capacity aqueous periodate batteries featuring a nine-electron transfer process. Energy Storage Materials, 2019, 19, 206-211.	9.5	17
28	Fabrication of supercapacitors and flexible electrodes using biosilica from cultured diatoms. Materials Today Energy, 2019, 11, 166-173.	2.5	11
29	Incorporation of functionalized carbon nanotubes into hydrophobic drug crystals for enhancing aqueous dissolution. Colloids and Surfaces B: Biointerfaces, 2019, 173, 386-391.	2.5	22
30	Carbon Nanotubes: Synthesis of Carbon Nanotube Incorporated Metal Oxides for the Fabrication of Printable, Flexible Nickelâ€Zinc Batteries (Adv. Mater. Interfaces 4/2018). Advanced Materials Interfaces, 2018, 5, 1870018.	1.9	0
31	Novel diatom-FeO _x composite as highly active catalyst in photodegradation of Rhodamine-6G. Nanotechnology Reviews, 2018, 7, 247-255.	2.6	11
32	Dry reforming of methane over palladiumâ€“platinum on carbon nanotube catalyst. Chemical Engineering Communications, 2018, 205, 888-896.	1.5	11
33	Synthesis of Carbon Nanotube Incorporated Metal Oxides for the Fabrication of Printable, Flexible Nickelâ€Zinc Batteries. Advanced Materials Interfaces, 2018, 5, 1701036.	1.9	14
34	Microwave-Induced Desalination via Direct Contact Membrane Distillation. ACS Sustainable Chemistry and Engineering, 2018, 6, 626-632.	3.2	40
35	Effect of Carbon Nanotube-Metal Hybrid Particle Exposure to Freshwater Algae Chlamydomonas reinhardtii. Scientific Reports, 2018, 8, 15301.	1.6	21
36	Reducing Concentration Polarization and Enhancing the Performance of Flexible Nickelâ€Zinc Battery Using Polytetrafluoroethylene as Electrode Additive. ChemistrySelect, 2018, 3, 11890-11894.	0.7	7

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37	Modification of nano-silver bioactivity by adsorption on carbon nanotubes and graphene oxide. Inhalation Toxicology, 2018, 30, 429-438.	0.8	7
38	Microwaveâ€Assisted Biogenic Synthesis of Metalâ€Decorated Reduced Graphene Oxide and their Electrochemical Properties.. ChemistrySelect, 2018, 3, 13438-13441.	0.7	1
39	Immobilization of Graphene Oxide on the Permeate Side of a Membrane Distillation Membrane to Enhance Flux. Membranes, 2018, 8, 63.	1.4	31
40	Effect of carbon nanotube (CNT) functionalization in epoxy-CNT composites. Nanotechnology Reviews, 2018, 7, 475-485.	2.6	137
41	Stepwise Reduction of Graphene Oxide (GO) and Its Effects on Chemical and Colloidal Properties. Scientific Reports, 2018, 8, 10083.	1.6	100
42	The Effects of Varying Degree of MWCNT Carboxylation on Bioactivity in Various In Vivo and In Vitro Exposure Models. International Journal of Molecular Sciences, 2018, 19, 354.	1.8	20
43	Development of High-Capacity Periodate Battery with Three-Dimensional-Printed Casing Accommodating Replaceable Flexible Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 30257-30264.	4.0	16
44	The Effect of Functional Group Polarity in Palladium Immobilized Multiwalled Carbon Nanotube Catalysis: Application in Carbonâ€“Carbon Coupling Reaction. Applied Sciences (Switzerland), 2018, 8, 1511.	1.3	5
45	Variation in chemical, colloidal and electrochemical properties of carbon nanotubes with the degree of carboxylation. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	18
46	Stromelysin-2 (MMP-10) facilitates clearance and moderates inflammation and cell death following lung exposure to long multiwalled carbon nanotubes. International Journal of Nanomedicine, 2017, Volume 12, 1019-1031.	3.3	6
47	Effect on Growth, Photosynthesis, and Oxidative Stress of Single Walled Carbon Nanotubes Exposure to Marine AlgaDunaliella tertiolecta. Journal of Nanomaterials, 2016, 2016, 1-9.	1.5	19
48	The pulmonary inflammatory response to multiwalled carbon nanotubes is influenced by gender and glutathione synthesis. Redox Biology, 2016, 9, 264-275.	3.9	12
49	A Bilayered Structure Comprised of Functionalized Carbon Nanotubes for Desalination by Membrane Distillation. ACS Applied Materials & Interfaces, 2016, 8, 19507-19513.	4.0	61
50	Effects of Multiwalled Carbon Nanotube Surface Modification and Purification on Bovine Serum Albumin Binding and Biological Responses. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	22
51	Effects of anodic oxidation of a substoichiometric titanium dioxide reactive electrochemical membrane on algal cell destabilization and lipid extraction. Bioresource Technology, 2016, 203, 112-117.	4.8	37
52	Carbon nanotube-immobilized super-absorbent membrane for harvesting water from the atmosphere. Environmental Science: Water Research and Technology, 2015, 1, 753-760.	1.2	18
53	Synthesis of diatomâ€“FeOx composite for removing trace arsenic to meet drinking water standards. Journal of Colloid and Interface Science, 2015, 457, 169-173.	5.0	28
54	Microwave induced reactive base wash for the removal of oxidation debris from carboxylated carbon nanotubes. Carbon, 2015, 88, 233-238.	5.4	8

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55	Water defluoridation using a nanostructured diatomâ€“ZrO 2 composite synthesized from algal Biomass. Journal of Colloid and Interface Science, 2015, 450, 239-245.	5.0	37
56	Oxidation debris in microwave functionalized carbon nanotubes: Chemical and biological effects. Carbon, 2014, 68, 678-686.	5.4	26
57	Length reduction of multi-walled carbon nanotubes via high energy ultrasonication and its effect on their dispersibility. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	12
58	Fabrication of Highâ€Performance Flexible Alkaline Batteries by Implementing Multiwalled Carbon Nanotubes and Copolymer Separator. Advanced Materials, 2014, 26, 970-976.	11.1	111
59	Detonation Nanodiamonds and Carbon Nanotubes as Reinforcements in Epoxy Compositesâ€”A Comparative Study. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	22
60	Formation of stainless steelâ€“carbon nanotube composites using a scalable chemical vapor infiltration process. Journal of Materials Science, 2013, 48, 1387-1395.	1.7	23
61	Flexible zincâ€“carbon batteries with multiwalled carbon nanotube/conductive polymer cathode matrix. Journal of Power Sources, 2013, 237, 210-214.	4.0	37
62	Carbon Nanotube, Nanosilver and Nanoclay Protein Corona Composition in Cell Culture Media. FASEB Journal, 2013, 27, 1212.8.	0.2	0
63	Altering the polarity of self-assembled carbon nanotubes stationary phase via covalent functionalization. RSC Advances, 2011, 1, 685.	1.7	62
64	Simultaneous synthesis, stabilization, and selfâ€assembly of microscale drug particles in polymer films. Journal of Applied Polymer Science, 2011, 120, 2082-2089.	1.3	5
65	Protein expression profiling of Cacoâ€2/HT29â€MTX coâ€culture after functionalized carbon nanotube exposure. FASEB Journal, 2011, 25, 863.5.	0.2	0
66	Microwave-induced rapid nanocomposite synthesis using dispersed single-wall carbon nanotubes as the nuclei. Journal of Materials Science, 2009, 44, 1245-1250.	1.7	21
67	Fabrication and characterization of carbon nanotubes immobilized in porous polymeric membranes. Journal of Materials Chemistry, 2009, 19, 3713.	6.7	21
68	Microwave-assisted solid-state grafting of multi-walled carbon nanotubes on polyurethane for the synthesis of a composite with optical limiting properties. Journal of Materials Chemistry, 2009, 19, 6568.	6.7	20
69	A fullereneâ€“single wall carbon nanotube complex for polymer bulk heterojunction photovoltaic cells. Journal of Materials Chemistry, 2007, 17, 2406-2411.	6.7	190
70	Selective self-assembly of single walled carbon nanotubes in long steel tubing for chemical separations. Journal of Materials Chemistry, 2006, 16, 2890.	6.7	18
71	Rapidly Functionalized, Water-Dispersed Carbon Nanotubes at High Concentration. Journal of the American Chemical Society, 2006, 128, 95-99.	6.6	369
72	Sample Preparation: An Analytical Perspective. , 2003, , 1-36.		16

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73	Preparation of Samples for Metals Analysis. , 2003, , 227-270.		16
74	Principles of Extraction and the Extraction of Semivolatile Organics from Liquids. , 2003, , 37-138.		39
75	Surface Enhancement by Sample and Substrate Preparation Techniques in Raman and Infrared Spectroscopy. , 2003, , 413-437.		0
76	Techniques for the Extraction, Isolation, and Purification of Nucleic Acids. , 2003, , 331-375.		0
77	Sample Preparation in DNA Analysis. , 2003, , 271-300.		3
78	Extraction of Semivolatile Organic Compounds from Solid Matrices. , 2003, , 139-182.		19
79	Sample Preparation for Microscopic and Spectroscopic Characterization of Solid Surfaces and Films. , 2003, , 377-411.		24
80	Extraction of Volatile Organic Compounds from Solids and Liquids. , 2003, , 183-225.		9
81	Sample Preparation in RNA Analysis. , 2003, , 301-330.		0
82	Chemical Analysis. , 2003, , 459-464.		0
83	Monitoring Effluents from an Air Toxic Control Device Using Continuous Nonmethane Organic Carbon Analyzer. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2000, 61, 16-21.	0.4	0
84	Breakthrough and desorption characteristics of a microtrap. Journal of Separation Science, 2000, 12, 267-275.	1.0	17
85	Microtrap interface for on-line mass spectrometric monitoring of air emissions. Journal of Mass Spectrometry, 1999, 34, 478-485.	0.7	11
86	Enhancement of Extraction Efficiency and Reduction of Boundary Layer Effects in Pulse Introduction Membrane Extraction. Analytical Chemistry, 1999, 71, 4407-4412.	3.2	8
87	Application of on-line membrane extraction microtrap gas chromatography (OLMEM-GC) for continuous monitoring of VOC emission. Journal of Separation Science, 1998, 10, 393-399.	1.0	6
88	Development of Membrane Purge and Trap for Measurement of Volatile Organics in Water. Analytical Letters, 1998, 31, 367-379.	1.0	15
89	Development of Instrumentation for Continuous On-line Monitoring of Non-Methane Organic Carbon in Air Emissions. Journal of the Air and Waste Management Association, 1998, 48, 743-749.	0.9	9
90	Title is missing!. Environmental Monitoring and Assessment, 1997, 44, 529-540.	1.3	2

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91	Characteristics of on-line membrane extraction microtrap GC system as applied to air and water monitoring. Journal of Separation Science, 1996, 8, 21-27.	1.0	23
92	A Sequential Valve-Microtrap Injection System for Continuous, On-Line Gas Chromatographic Analysis at Trace Levels. Journal of Chromatographic Science, 1995, 33, 285-289.	0.7	18