Keisha B Walters

List of Publications by Year
in descending order

55 papers	1,224 citations	361413 20 h-index	395702 33 g-index
56 all docs	56 docs citations	56 times ranked	1902 citing authors

#	Article	IF	Citations
1	Impact of the Solidâ€Electrolyte Interface on Dendrite Formation: A Case Study Based on Zinc Metal Electrodes. ChemElectroChem, 2022, 9, .	3.4	1
2	Chemically Edge-Carboxylated Graphene Enhances the Thermal Conductivity of Polyetherimideâ€“Graphene Nanocomposites. ACS Applied Materials & Interfaces, 2022, 14, 14753-14763.	8.0	18
3	Assessing magnetic iron oxide nanoparticle properties under different thermal treatments. Journal of Thermal Analysis and Calorimetry, 2021, 143, 35-46.	3.6	3
4	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. Pharmaceutics, 2021, 13, 570.	4.5	47
5	Analytical model for electromagnetic induction in pulsating ferrofluid pipe flows. International Journal of Heat and Mass Transfer, 2021, 175, 121325.	4.8	7
6	Facile Synthesis of Tertiary Amine Pendant Polymers by Cu⁰-Mediated ATRP under Aqueous Conditions. Macromolecules, 2021, 54, 10360-10369.	4.8	9
7	Removal of Residual Oil from Produced Water Using Magnetic Nanoparticles. SPE Journal, 2020, 25, 2482-2495.	3.1	6
8	Hydroxide-catalyzed cleavage of selective ester bonds in phosphatidylcholine: An FTIR study. Vibrational Spectroscopy, 2020, 109, 103055.	2.2	14
9	Chemical and Microstructural Characterization of pH and [Ca2+] Dependent Sol-Gel Transitions in Mucin Biopolymer. Scientific Reports, 2020, 10, 8760.	3.3	33
10	Synthesis, characterization, and stability of poly(ethylene-co-acrylic acid) films surface functionalized with fluorescent moieties. Reactive and Functional Polymers, 2020, 152, 104598.	4.1	2
11	Computational and experimental approach to understanding the structural interplay of self-assembled end-terminated alkanethiolates on gold surfaces. Physical Chemistry Chemical Physics, 2019, 21, 23320-23328.	2.8	6
12	On the energy harvesting and heat transfer ability of a ferro-nanofluid oscillating heat pipe. International Journal of Heat and Mass Transfer, 2019, 132, 162-171.	4.8	33
13	Catalytic Pyrolysis of Biomass and Polymer Wastes. Catalysts, 2018, 8, 659.	3.5	113
14	Temperature-dependent self-assembly and rheological behavior of a thermoreversible pmma-Pn BA-PMMA triblock copolymer gel. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 877-887.	2.1	14
15	Alcohol Stabilization of Low Water Content Pyrolysis Oil during High Temperature Treatment. Energy & Fuels, 2017, 31, 13666-13674.	5.1	16
16	Synthesis, characterization and catalytic activity of a cobalt catalyst: Silica-supported, bis(1,5-diphenyl-1,3,5-pentanetrionato)dicobalt(II) [Co2(dba)2]. Applied Catalysis A: General, 2017, 529, 108-117.	4.3	7
17	Bio-based plasticizer and thermoset polyesters: A green polymer chemistry approach. Journal of Applied Polymer Science, 2016, 133, .	2.6	25
18	Constant pH simulations of pH responsive polymers. Journal of Chemical Physics, 2016, 145, 234906.	3.0	15

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19	Hydrolytic degradation of bio-based polyesters: Effect of pH and time. Polymer Testing, 2016, 52, 192-199.	4.8	35
20	Impacts of Thermal Processing on the Physical and Chemical Properties of Pyrolysis Oil Produced by a Modified Fluid Catalytic Cracking Pyrolysis Process. Energy & Fuels, 2016, 30, 7367-7378.	5.1	11
21	Bioluminescent magnetic nanoparticles as potential imaging agents for mammalian spermatozoa. Journal of Nanobiotechnology, 2016, 14, 20.	9.1	26
22	EXAMINING MUCIN TYPE AND MORPHOLOGY EFFECTS ON MAMMALIAN MUCUS MECHANICAL AND MICROSTRUCTURAL PROPERTIES. , 2016, , .		1
23	MAGNETIC NANOPARTICLE MORPHOLOGIES: DEVELOPING FERROFLUIDS FOR PULSATING FLOWS. , 2016, , .		1
24	Fabrication of p<scp>H</scp>â€sensitive poly(2â€(diethylamino)ethyl methacrylate)/palygorskite composite microspheres via <scp>P</scp>ickering emulsion polymerization and their release behavior. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
25	Functional holey graphene oxide: a new electrochemically transformed substrate material for dopamine sensing. RSC Advances, 2015, 5, 107123-107135.	3.6	15
26	Pickering emulsions stabilized by palygorskite particles grafted with pH-responsive polymer brushes. RSC Advances, 2015, 5, 9416-9424.	3.6	24
27	Fetuin-A adsorption and stabilization of calcium carbonate nanoparticles in a simulated body fluid. Journal of Materials Chemistry B, 2015, 3, 6411-6419.	5.8	14
28	Analysis of Particle Transport and Deposition of Micron-Sized Particles in a 90Â° Bend Using a Two-Fluid Eulerianâ€“Eulerian Approach. Aerosol Science and Technology, 2015, 49, 692-704.	3.1	5
29	Electromagnetic induction by ferrofluid in an oscillating heat pipe. Applied Physics Letters, 2015, 106, .	3.3	20
30	Energy harvesting via ferrofluidic induction. Proceedings of SPIE, 2015, , .	0.8	5
31	Toughening of poly(lactic acid) with the renewable bioplastic poly(trimethylene malonate). Journal of Applied Polymer Science, 2014, 131, .	2.6	8
32	Magnetic iron oxide nanoparticles grafted with poly(itaconic acid)-block-poly(N-isopropylacrylamide). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 444, 321-325.	4.7	12
33	A pH responsive Pickering emulsion stabilized by fibrous palygorskite particles. Applied Clay Science, 2014, 102, 113-120.	5.2	35
34	Rheological characterization of mammalian lung mucus. RSC Advances, 2014, 4, 34780-34783.	3.6	21
35	Nanomechanical properties of poly(trimethylene malonate) and poly(trimethylene itaconate) during hydrolytic degradation. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
36	pH Responsive Behavior of Fe₃O₄@PDEA-PEGMA Core-Shell Hybrid Magnetic Nanoparticles. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 487-492.	3.4	7

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37	Ligand Adsorption and Exchange on Pegylated Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 11111-11119.	3.1	35
38	Janus Magnetic Nanoparticles with a Bicompartmental Polymer Brush Prepared Using Electrostatic Adsorption to Facilitate Toposelective Surface-Initiated ATRP. Langmuir, 2014, 30, 6858-6866.	3.5	23
39	Support of dinuclear copper triketonate complexes on silica: Monolayer loading from complex footprint and the first crystallographically characterized cis dipyridine adduct. Inorganica Chimica Acta, 2014, 423, 281-289.	2.4	5
40	SILAC-Based Quantitative Proteomic Analysis of Human Lung Cell Response to Copper Oxide Nanoparticles. PLoS ONE, 2014, 9, e114390.	2.5	28
41	Simultaneous and Sequential Protein and Organothiol Interactions with Gold Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 1366-1374.	3.1	17
42	Mechanistic Study of Continuous Reactive Aromatic Organothiol Adsorption onto Silver Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 27146-27154.	3.1	43
43	Postcondensation Filtration of Pine and Cottonwood Pyrolysis Oil and Impacts on Accelerated Aging Reactions. Energy & Fuels, 2012, 26, 1284-1297.	5.1	26
44	The effects of water and microstructure on the mechanical properties of bighorn sheep (Ovis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	8.3	58
45	Tethered Stimuli-Responsive Polymer Films. ACS Symposium Series, 2010, , 21-30.	0.5	0
46	DigitalLung: Application of High-Performance Computing to Biological System Simulation. Advances in Experimental Medicine and Biology, 2010, 680, 573-584.	1.6	1
47	Comparison of surface confined ATRP and SETâ€LRP syntheses for a series of amino (meth)acrylate polymer brushes on silicon substrates. Journal of Polymer Science Part A, 2009, 47, 6552-6560.	2.3	71
48	An XPS study on the attachment of triethoxsilylbutyraldehyde to two titanium surfaces as a way to bond chitosan. Applied Surface Science, 2008, 254, 4599-4605.	6.1	62
49	Piranha Treated Titanium Compared to Passivated Titanium as Characterized by XPS. Surface Science Spectra, 2008, 15, 23-30.	1.3	6
50	Synthesis and Characterization of a Tertiary Amine Polymer Series from Surface-Grafted Poly(tert-butyl acrylate) via Diamine Reactions. Macromolecules, 2007, 40, 4829-4838.	4.8	12
51	XPS Study on the Use of 3-Aminopropyltriethoxysilane to Bond Chitosan to a Titanium Surface. Langmuir, 2007, 23, 6645-6651.	3.5	118
52	Grafting of end-functionalized poly(tert-butyl acrylate) to poly(ethylene-co-acrylic acid) film. Polymer, 2006, 47, 6567-6574.	3.8	19
53	Relationship between erucamide surface concentration and coefficient of friction of LLDPE film. Journal of Vinyl and Additive Technology, 2005, 11, 9-12.	3.4	31
54	Surface Characterization of Linear Low-Density Polyethylene Films Modified with Fluorinated Additives. Langmuir, 2003, 19, 5851-5860.	3.5	51

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55	Surface Characterization of LLDPE Film Containing Glycerol Monostearate. Journal of Plastic Film and Sheeting, 2002, 18, 33-43.	2.2	4