

Keisha B Walters

List of Publications by Year in descending order

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55
papers

1,224
citations

361413

20
h-index

395702

33
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56
docs citations

56
times ranked

1902
citing authors

#	ARTICLE	IF	CITATIONS
1	XPS Study on the Use of 3-Aminopropyltriethoxysilane to Bond Chitosan to a Titanium Surface. <i>Langmuir</i> , 2007, 23, 6645-6651.	3.5	118
2	Catalytic Pyrolysis of Biomass and Polymer Wastes. <i>Catalysts</i> , 2018, 8, 659.	3.5	113
3	Comparison of surface confined ATRP and SET-ATRP syntheses for a series of amino (meth)acrylate polymer brushes on silicon substrates. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6552-6560.	2.3	71
4	An XPS study on the attachment of triethoxysilylbutyraldehyde to two titanium surfaces as a way to bond chitosan. <i>Applied Surface Science</i> , 2008, 254, 4599-4605.	6.1	62
5	The effects of water and microstructure on the mechanical properties of bighorn sheep (Ovis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	8.3	58
6	Surface Characterization of Linear Low-Density Polyethylene Films Modified with Fluorinated Additives. <i>Langmuir</i> , 2003, 19, 5851-5860.	3.5	51
7	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. <i>Pharmaceutics</i> , 2021, 13, 570.	4.5	47
8	Mechanistic Study of Continuous Reactive Aromatic Organothiols Adsorption onto Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27146-27154.	3.1	43
9	A pH responsive Pickering emulsion stabilized by fibrous palygorskite particles. <i>Applied Clay Science</i> , 2014, 102, 113-120.	5.2	35
10	Ligand Adsorption and Exchange on Pegylated Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11111-11119.	3.1	35
11	Hydrolytic degradation of bio-based polyesters: Effect of pH and time. <i>Polymer Testing</i> , 2016, 52, 192-199.	4.8	35
12	On the energy harvesting and heat transfer ability of a ferro-nanofluid oscillating heat pipe. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 162-171.	4.8	33
13	Chemical and Microstructural Characterization of pH and [Ca ²⁺] Dependent Sol-Gel Transitions in Mucin Biopolymer. <i>Scientific Reports</i> , 2020, 10, 8760.	3.3	33
14	Relationship between erucamide surface concentration and coefficient of friction of LLDPE film. <i>Journal of Vinyl and Additive Technology</i> , 2005, 11, 9-12.	3.4	31
15	SILAC-Based Quantitative Proteomic Analysis of Human Lung Cell Response to Copper Oxide Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e114390.	2.5	28
16	Postcondensation Filtration of Pine and Cottonwood Pyrolysis Oil and Impacts on Accelerated Aging Reactions. <i>Energy & Fuels</i> , 2012, 26, 1284-1297.	5.1	26
17	Bioluminescent magnetic nanoparticles as potential imaging agents for mammalian spermatozoa. <i>Journal of Nanobiotechnology</i> , 2016, 14, 20.	9.1	26
18	Bio-based plasticizer and thermoset polyesters: A green polymer chemistry approach. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	25

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19	Pickering emulsions stabilized by palygorskite particles grafted with pH-responsive polymer brushes. RSC Advances, 2015, 5, 9416-9424.	3.6	24
20	Janus Magnetic Nanoparticles with a Bicompartamental Polymer Brush Prepared Using Electrostatic Adsorption to Facilitate Toposelective Surface-Initiated ATRP. Langmuir, 2014, 30, 6858-6866.	3.5	23
21	Rheological characterization of mammalian lung mucus. RSC Advances, 2014, 4, 34780-34783.	3.6	21
22	Electromagnetic induction by ferrofluid in an oscillating heat pipe. Applied Physics Letters, 2015, 106, .	3.3	20
23	Grafting of end-functionalized poly(tert-butyl acrylate) to poly(ethylene-co-acrylic acid) film. Polymer, 2006, 47, 6567-6574.	3.8	19
24	Chemically Edge-Carboxylated Graphene Enhances the Thermal Conductivity of Polyetherimideâ€“Graphene Nanocomposites. ACS Applied Materials & Interfaces, 2022, 14, 14753-14763.	8.0	18
25	Simultaneous and Sequential Protein and Organothiol Interactions with Gold Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 1366-1374.	3.1	17
26	Alcohol Stabilization of Low Water Content Pyrolysis Oil during High Temperature Treatment. Energy & Fuels, 2017, 31, 13666-13674.	5.1	16
27	Functional holey graphene oxide: a new electrochemically transformed substrate material for dopamine sensing. RSC Advances, 2015, 5, 107123-107135.	3.6	15
28	Constant pH simulations of pH responsive polymers. Journal of Chemical Physics, 2016, 145, 234906.	3.0	15
29	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
30	Temperature-dependent self-assembly and rheological behavior of a thermoreversible pmma-P<i>n</i>/i> BA-PMMA triblock copolymer gel. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 877-887.	2.1	14
31	Hydroxide-catalyzed cleavage of selective ester bonds in phosphatidylcholine: An FTIR study. Vibrational Spectroscopy, 2020, 109, 103055.	2.2	14
32	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
33	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
34	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
35	Facile Synthesis of Tertiary Amine Pendant Polymers by Cu⁰-Mediated ATRP under Aqueous Conditions. Macromolecules, 2021, 54, 10360-10369.	4.8	9
36	Toughening of poly(lactic acid) with the renewable bioplastic poly(trimethylene malonate). Journal of Applied Polymer Science, 2014, 131, .	2.6	8

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37	pH Responsive Behavior of Fe ₃ O ₄ @PDEA-PEGMA Core-Shell Hybrid Magnetic Nanoparticles. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 487-492.	3.4	7
38	Synthesis, characterization and catalytic activity of a cobalt catalyst: Silica-supported, bis(1,5-diphenyl-1,3,5-pentanetrionato)dicobalt(II) [Co ₂ (dba) ₂]. Applied Catalysis A: General, 2017, 529, 108-117.	4.3	7
39	Analytical model for electromagnetic induction in pulsating ferrofluid pipe flows. International Journal of Heat and Mass Transfer, 2021, 175, 121325.	4.8	7
40	Piranha Treated Titanium Compared to Passivated Titanium as Characterized by XPS. Surface Science Spectra, 2008, 15, 23-30.	1.3	6
41	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
42	Removal of Residual Oil from Produced Water Using Magnetic Nanoparticles. SPE Journal, 2020, 25, 2482-2495.	3.1	6
43	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
44	Analysis of Particle Transport and Deposition of Micron-Sized Particles in a 90° Bend Using a Two-Fluid Eulerian-Eulerian Approach. Aerosol Science and Technology, 2015, 49, 692-704.	3.1	5
45	Energy harvesting via ferrofluidic induction. Proceedings of SPIE, 2015, , .	0.8	5
46	Surface Characterization of LLDPE Film Containing Glycerol Monostearate. Journal of Plastic Film and Sheeting, 2002, 18, 33-43.	2.2	4
47	Fabrication of pH-sensitive poly(2-(diethylamino)ethyl methacrylate)/palygorskite composite microspheres via Pickering emulsion polymerization and their release behavior. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
48	Assessing magnetic iron oxide nanoparticle properties under different thermal treatments. Journal of Thermal Analysis and Calorimetry, 2021, 143, 35-46.	3.6	3
49	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
50	Nanomechanical properties of poly(trimethylene malonate) and poly(trimethylene itaconate) during hydrolytic degradation. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
51	DigitalLung: Application of High-Performance Computing to Biological System Simulation. Advances in Experimental Medicine and Biology, 2010, 680, 573-584.	1.6	1
52	EXAMINING MUCIN TYPE AND MORPHOLOGY EFFECTS ON MAMMALIAN MUCUS MECHANICAL AND MICROSTRUCTURAL PROPERTIES. , 2016, , .		1
53	MAGNETIC NANOPARTICLE MORPHOLOGIES: DEVELOPING FERROFLUIDS FOR PULSATING FLOWS. , 2016, , .		1
54	Impact of the Solid-Electrolyte Interface on Dendrite Formation: A Case Study Based on Zinc Metal Electrodes. ChemElectroChem, 2022, 9, .	3.4	1

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55	Tethered Stimuli-Responsive Polymer Films. ACS Symposium Series, 2010, , 21-30.	0.5	0