

# Lee D Wilson

## List of Publications by Year in descending order

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184  
papers

6,515  
citations

61984

43  
h-index

85541

71  
g-index

184  
all docs

184  
docs citations

184  
times ranked

6055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariable optimization with desirability function for carbon porosity and methylene blue adsorption by watermelon rind activated carbon prepared by microwave assisted H <sub>3</sub> PO <sub>4</sub> . <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 577-591.	4.6	21
2	Organotin (IV) complexes with sulphonyl hydrazide moiety. Design, synthesis, characterization, docking studies, cytotoxic and anti-leishmanial activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12336-12346.	3.5	2
3	Preparation and characterization of salicylic acid grafted chitosan electrospun fibers. <i>Carbohydrate Polymers</i> , 2022, 275, 118751.	10.2	8
4	Process Optimization and Adsorptive Mechanism for Reactive Blue 19 Dye by Magnetic Crosslinked Chitosan/MgO/Fe <sub>3</sub> O <sub>4</sub> Biocomposite. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2759-2773.	5.0	52
5	Fabrication of chitosan/alginate/hydroxyapatite hybrid scaffolds using 3D printing and impregnating techniques for potential cartilage regeneration. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 62-75.	7.5	62
6	An Overview of Modified Chitosan Adsorbents for the Removal of Precious Metals Species from Aqueous Media. <i>Molecules</i> , 2022, 27, 978.	3.8	25
7	Insight into the photodegradation mechanism of bisphenol-A by oxygen doped mesoporous carbon nitride under visible light irradiation and DFT calculations. <i>RSC Advances</i> , 2022, 12, 10409-10423.	3.6	9
8	Design of Sustainable Biomaterial Composite Adsorbents for Point-of-Use Removal of Lead Ions From Water. <i>Frontiers in Water</i> , 2022, 4, .	2.3	8
9	Methods for selenium removal from contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2019-2041.	16.2	14
10	Magnetic biohybrid chitosan-ethylene glycol diglycidyl ether/magnesium oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite for textile dye removal: Box-Cox design optimization and mechanism study. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	44
11	Photocatalytic Remediation of Harmful <i>Alexandrium minutum</i> Bloom Using Hybrid Chitosan-Modified TiO <sub>2</sub> Films in Seawater: A Lab-Based Study. <i>Catalysts</i> , 2022, 12, 707.	3.5	2
12	Molecular structure and mild steel/HCl corrosion inhibition of 4,5-Dicyanoimidazole: Vibrational, electrochemical and quantum mechanical calculations. <i>Journal of Molecular Structure</i> , 2021, 1230, 129647.	3.6	43
13	Vanadium dioxide nanoparticles as a promising sorbent for controlled removal of waterborne fluoroquinolone ciprofloxacin. <i>Materials Chemistry and Physics</i> , 2021, 259, 123993.	4.0	17
14	Adsorption processes in biopolymer systems: fundamentals to practical applications. , 2021, , 1-51.		14
15	Fabrication of Schiff's Base Chitosan-Glutaraldehyde/Activated Charcoal Composite for Cationic Dye Removal: Optimization Using Response Surface Methodology. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2855-2868.	5.0	65
16	A Review on the Design and Hydration Properties of Natural Polymer-Based Hydrogels. <i>Materials</i> , 2021, 14, 1095.	2.9	106
17	Adsorption Studies of Waterborne Trihalomethanes Using Modified Polysaccharide Adsorbents. <i>Molecules</i> , 2021, 26, 1431.	3.8	5
18	A Review on Recent Progress of Glycan-Based Surfactant Micelles as Nanoreactor Systems for Chemical Synthesis Applications. <i>Polysaccharides</i> , 2021, 2, 168-186.	4.8	12

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19	Effect of Graphene Oxide as a Reinforcement in a Bio-Epoxy Composite. <i>Journal of Composites Science</i> , 2021, 5, 91.	3.0	8
20	Binary Pectin-Chitosan Composites for the Uptake of Lanthanum and Yttrium Species in Aqueous Media. <i>Micromachines</i> , 2021, 12, 478.	2.9	13
21	Floating ZnO QDs-Modified TiO <sub>2</sub> /LLDPE Hybrid Polymer Film for the Effective Photodegradation of Tetracycline under Fluorescent Light Irradiation: Synthesis and Characterisation. <i>Molecules</i> , 2021, 26, 2509.	3.8	18
22	High surface area and mesoporous activated carbon from KOH-activated dragon fruit peels for methylene blue dye adsorption: Optimization and mechanism study. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 281-290.	3.5	206
23	Synthesis and Characterization of Pyridine-Grafted Copolymers of Acrylic Acid-Styrene Derivatives for Antimicrobial and Fluorescence Applications. <i>Micromachines</i> , 2021, 12, 672.	2.9	2
24	An Overview of the Design of Chitosan-Based Fiber Composite Materials. <i>Journal of Composites Science</i> , 2021, 5, 160.	3.0	14
25	Experimental and theoretical studies of hydrogen generation by binary metal (oxide)-graphene oxide composite materials. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19802-19813.	7.1	5
26	Coating Cellulosic Material with Ag Nanowires to Fabricate Wearable IR-Reflective Device for Personal Thermal Management: The Role of Coating Method and Loading Level. <i>Molecules</i> , 2021, 26, 3570.	3.8	9
27	Parameter optimization of tetracycline removal by vanadium oxide nano cuboids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 619, 126460.	4.7	15
28	Statistical modeling and mechanistic pathway for methylene blue dye removal by high surface area and mesoporous grass-based activated carbon using K <sub>2</sub> CO <sub>3</sub> activator. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105530.	6.7	130
29	Polyaniline/Biopolymer Composite Systems for Humidity Sensor Applications: A Review. <i>Polymers</i> , 2021, 13, 2722.	4.5	24
30	Counterion Effects in Metal Hybrid Biopolymer Materials for Sulfate Adsorption: An Experimental and Computational Study. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4595-4606.	4.4	10
31	Suitability of bio-desiccants for energy wheels in HVAC applications. <i>Building and Environment</i> , 2021, 206, 108369.	6.9	1
32	Mesoporous TiO <sub>2</sub> Implanted ZnO QDs for the Photodegradation of Tetracycline: Material Design, Structural Characterization and Photodegradation Mechanism. <i>Catalysts</i> , 2021, 11, 1205.	3.5	6
33	Anti-Methanogenic Effect of Phytochemicals on Methyl-Coenzyme M Reductase Potential: In Silico and Molecular Docking Studies for Environmental Protection. <i>Micromachines</i> , 2021, 12, 1425.	2.9	6
34	Molecular imprinted polymers for the controlled uptake of sinapic acid from aqueous media. <i>Food and Function</i> , 2020, 11, 895-906.	4.6	16
35	Synthesis, characterization and adsorption behavior of sinapic acid imprinted polymer via precipitation polymerization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	5
36	Uptake of Methylene Blue from Aqueous Solution by Pectin-Chitosan Binary Composites. <i>Journal of Composites Science</i> , 2020, 4, 95.	3.0	26

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37	ZnO Surface Doping to Enhance the Photocatalytic Activity of Lithium Titanate/TiO <sub>2</sub> for Methylene Blue Photodegradation under Visible Light Irradiation. <i>Surfaces</i> , 2020, 3, 301-318.	2.3	12
38	Sequestration of Sulfate Anions from Groundwater by Biopolymer-Metal Composite Materials. <i>Polymers</i> , 2020, 12, 1502.	4.5	21
39	Design of hybrid goethite nanocomposites as potential sorbents for lanthanum from aqueous media. <i>Separation Science and Technology</i> , 2020, , 1-15.	2.5	3
40	Modular Chitosan-Based Adsorbents for Tunable Uptake of Sulfate from Water. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7130.	4.1	22
41	Flax Biomass Conversion via Controlled Oxidation: Facile Tuning of Physicochemical Properties. <i>Bioengineering</i> , 2020, 7, 38.	3.5	5
42	Hydration and Sorption Properties of Raw and Milled Flax Fibers. <i>ACS Omega</i> , 2020, 5, 6113-6121.	3.5	15
43	Comparison of the Moisture Adsorption Properties of Starch Particles and Flax Fiber Coatings for Energy Wheel Applications. <i>ACS Omega</i> , 2020, 5, 9529-9539.	3.5	15
44	Development of a small-scale test facility for effectiveness evaluation of fixed-bed regenerators. <i>Applied Thermal Engineering</i> , 2020, 174, 115263.	6.0	19
45	Modified Biopolymer Adsorbents for Column Treatment of Sulfate Species in Saline Aquifers. <i>Materials</i> , 2020, 13, 2408.	2.9	18
46	Friedel-Crafts benzylation of toluene catalyzed by ZnCl <sub>2</sub> /SiO <sub>2</sub> heterogeneous catalyst to para- and ortho-mono-benzylated toluene. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1615-1626.	2.2	5
47	Animal Biopolymer-Plant Biomass Composites: Synergism and Improved Sorption Efficiency. <i>Journal of Composites Science</i> , 2020, 4, 15.	3.0	11
48	Preparation of Multicomponent Biocomposites and Characterization of Their Physicochemical and Mechanical Properties. <i>Journal of Composites Science</i> , 2020, 4, 18.	3.0	9
49	Cu(II) Ion Adsorption by Aniline Grafted Chitosan and Its Responsive Fluorescence Properties. <i>Molecules</i> , 2020, 25, 1052.	3.8	21
50	Adsorption of Phosphate Dianions by Hybrid Inorganic-Biopolymer Polyelectrolyte Complexes: Experimental and Computational Studies. <i>ACS Applied Polymer Materials</i> , 2020, 2, 899-910.	4.4	18
51	Saline-Responsive and Hydrogen Bond Gating Effects in Self-Healing Polyaniline. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2311-2318.	4.4	17
52	Conventional and non-conventional adsorbents for wastewater treatment. <i>Environmental Chemistry Letters</i> , 2019, 17, 195-213.	16.2	611
53	Simultaneous adsorption of lanthanum and yttrium from aqueous solution by durian rind biosorbent. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 488.	2.7	26
54	Chitosan for direct bioflocculation of wastewater. <i>Environmental Chemistry Letters</i> , 2019, 17, 1603-1621.	16.2	90

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55	Dye removal by biosorption using cross-linked chitosan-based hydrogels. <i>Environmental Chemistry Letters</i> , 2019, 17, 1645-1666.	16.2	94
56	Inclusion Complexes of Melphalan with Gemini-Conjugated $\beta$ -Cyclodextrin: Physicochemical Properties and Chemotherapeutic Efficacy in In-Vitro Tumor Models. <i>Pharmaceutics</i> , 2019, 11, 427.	4.5	4
57	Water Vapor Adsorption/Desorption Behavior of Surfactant-Coated Starch Particles for Commercial Energy Wheels. <i>ACS Omega</i> , 2019, 4, 14378-14389.	3.5	12
58	Gas and Solution Uptake Properties of Graphene Oxide-Based Composite Materials: Organic vs. Inorganic Cross-Linkers. <i>Journal of Composites Science</i> , 2019, 3, 80.	3.0	8
59	Surface-Modified Chitosan: An Adsorption Study of a "Tweezer-Like" Biopolymer with Fluorescein. <i>Surfaces</i> , 2019, 2, 468-484.	2.3	21
60	Surfactant Surface-Patterned Starch Particles for Adsorption-Based Applications: The Role of Sabatier's Principle. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2787-2796.	4.4	5
61	Mechanical properties of graphene oxide-based composite layered-materials. <i>Materials Chemistry and Physics</i> , 2019, 234, 81-89.	4.0	13
62	Cross-Linked Chitosan-Based Hydrogels for Dye Removal. <i>Sustainable Agriculture Reviews</i> , 2019, , 381-425.	1.1	12
63	Chitosan for Direct Bioflocculation Processes. <i>Sustainable Agriculture Reviews</i> , 2019, , 335-380.	1.1	7
64	A Spectroscopic Study of Solid-Phase Chitosan/Cyclodextrin-Based Electrospun Fibers. <i>Fibers</i> , 2019, 7, 48.	4.0	9
65	Adsorption and mechanism study for methylene blue dye removal with carbonized watermelon ( <i>Citrullus lanatus</i> ) rind prepared via one-step liquid phase H <sub>2</sub> SO <sub>4</sub> activation. <i>Surfaces and Interfaces</i> , 2019, 16, 76-84.	3.0	142
66	A porous $\beta$ -cyclodextrin-based terpolymer fluorescence sensor for <i>in situ</i> trinitrophenol detection. <i>RSC Advances</i> , 2019, 9, 8073-8080.	3.6	14
67	Kinetics, isotherm, thermodynamic and bioperformance of defluoridation of water using praseodymium-modified chitosan. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103498.	6.7	13
68	Optimisation of orthophosphate and turbidity removal using an amphoteric chitosan-based flocculant-ferric chloride coagulant system. <i>Environmental Chemistry</i> , 2019, 16, 599.	1.5	16
69	Recent advances for sustainable production of levulinic acid in ionic liquids from biomass: Current scenario, opportunities and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 266-284.	16.4	69
70	Conversion of Malaysian low-rank coal to mesoporous activated carbon: Structure characterization and adsorption properties. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1716-1727.	3.5	73
71	A spectroscopic study of a cyclodextrin-based polymer and the "molecular accordion" effect. <i>Canadian Journal of Chemistry</i> , 2019, 97, 442-450.	1.1	1
72	A structural study of self-assembled chitosan-based sponge materials. <i>Carbohydrate Polymers</i> , 2019, 206, 685-693.	10.2	7

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73	Simple and Low-Cost Setup for Measurement of the Density of a Liquid. <i>Journal of Chemical Education</i> , 2019, 96, 175-179.	2.3	5
74	Renewable Starch Carriers with Switchable Adsorption Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4603-4613.	6.7	21
75	Design of amphoteric chitosan flocculants for phosphate and turbidity removal in wastewater. <i>Carbohydrate Polymers</i> , 2018, 189, 360-370.	10.2	62
76	Cyclodextrin based polymer sorbents for micro-solid phase extraction followed by liquid chromatography tandem mass spectrometry in determination of endogenous steroids. <i>Journal of Chromatography A</i> , 2018, 1543, 23-33.	3.7	22
77	Starch Particles, Energy Harvesting, and the "Goldilocks Effect". <i>ACS Omega</i> , 2018, 3, 3796-3803.	3.5	9
78	Phenolic Pollutant Uptake Properties of Molecular Templated Polymers Containing $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4748-4757.	2.6	17
79	Water-insoluble $\beta$ -cyclodextrin-epichlorohydrin polymers for removal of pollutants from aqueous solutions by sorption processes using batch studies: A review of inclusion mechanisms. <i>Progress in Polymer Science</i> , 2018, 78, 1-23.	24.7	193
80	Ultra-sonication assisted cross-linking of cellulose polymers. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 567-576.	8.2	25
81	Salt-Responsive Fe <sub>3</sub> O <sub>4</sub> Nanocomposites and Phase Behavior in Water. <i>Langmuir</i> , 2018, 34, 341-350.	3.5	12
82	Spectroscopic and Thermodynamic Study of Biopolymer Adsorption Phenomena in Heterogeneous Solid-Liquid Systems. <i>ACS Omega</i> , 2018, 3, 15370-15379.	3.5	13
83	Cyclodextrin-Based Polymer-Supported Bacterium for the Adsorption and in-situ Biodegradation of Phenolic Compounds. <i>Frontiers in Chemistry</i> , 2018, 6, 403.	3.6	5
84	"Pillaring Effects" in Cross-Linked Cellulose Biopolymers: A Study of Structure and Properties. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-13.	2.7	17
85	Graphene Oxide-Chitosan Composite Material for Treatment of a Model Dye Effluent. <i>ACS Omega</i> , 2018, 3, 13045-13054.	3.5	98
86	Adsorption-Oriented Processes Using Conventional and Non-conventional Adsorbents for Wastewater Treatment. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 23-71.	0.5	83
87	Redox-Responsive Polymer Template as an Advanced Multifunctional Catalyst Support for Silver Nanoparticles. <i>Langmuir</i> , 2018, 34, 10560-10568.	3.5	38
88	Solubilized Chitosan Biopolymers for Sequestration of Organic Acids in Aquatic Environments after Biodegradation in a Constructed Wetland Treatment System. <i>International Journal of Technology</i> , 2018, 9, 1140.	0.8	2
89	Vapor Adsorption Transient Test Facility for Dehumidification and Desorption Studies. <i>International Journal of Technology</i> , 2018, 9, 1092.	0.8	6
90	Adsorption of Lanthanide Ions from Aqueous Solution in Multicomponent Systems using Activated Carbon from Banana Peels ( <i>Musa paradisiaca</i> L.). <i>International Journal of Technology</i> , 2018, 9, 1132.	0.8	13

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91	Vapour and Solution Uptake Properties of Starch and Cellulose Biopolymers. <i>Journal of Geoscience and Environment Protection</i> , 2018, 06, 101-117.	0.5	4
92	A Kinetic Uptake Study of Roxarsone Using Cross-Linked Chitosan Beads. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1704-1712.	3.7	26
93	Flocculation Optimization of Orthophosphate with FeCl <sub>3</sub> and Alginate Using the Box-Behnken Response Surface Methodology. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 3145-3155.	3.7	39
94	Oxidation of Chitosan in Solution by Photocatalysis and Product Characterization. <i>Journal of Polymers and the Environment</i> , 2017, 25, 828-835.	5.0	16
95	Miscanthus Biomass for the Sustainable Fractionation of Ethanol-Water Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2970-2980.	6.7	9
96	Raman and DRIFT spectra, vibrational assignments and quantum mechanical calculations of centrosymmetric meso-2,3-Dimercaptosuccinic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 275-283.	3.9	7
97	Synthesis and characterization of cellulose-goethite composites and their adsorption properties with roxarsone. <i>Carbohydrate Polymers</i> , 2017, 169, 282-294.	10.2	39
98	Characterization of the Physicochemical Properties of $\beta$ -Cyclodextrin-Divinyl Sulfone Polymer Carrier-Bile Acid Systems. <i>Molecular Pharmaceutics</i> , 2017, 14, 2616-2623.	4.6	4
99	Biopolymer Flocculants and Oat Hull Biomass To Aid the Removal of Orthophosphate in Wastewater Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 37-46.	3.7	21
100	Microwave-assisted preparation of mesoporous-activated carbon from coconut (Cocos) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td <i>Chemical Engineering Communications</i> , 2017, 204, 1143-1156.	2.6	85
101	Study of Dehumidification and Regeneration in a Starch Coated Energy Wheel. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 221-231.	6.7	11
102	Phosphate uptake studies of cross-linked chitosan bead materials. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 201-212.	9.4	58
103	Physicochemical Properties and the Gelation Process of Supramolecular Hydrogels: A Review. <i>Gels</i> , 2017, 3, 1.	4.5	76
104	Investigation of Self-Assembly Processes for Chitosan-Based Coagulant-Flocculant Systems: A Mini-Review. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1662.	4.1	55
105	The Role of Inclusion Binding Contributions for $\beta$ -Cyclodextrin Polymers Cross-Linked with Divinyl Sulfone? A Comment on Morales-Sanfrutos et al. Entitled "Divinyl Sulfone Cross-Linked Cyclodextrin-Based Polymeric Materials: Synthesis and Applications as Sorbents and Encapsulating Agents". <i>Molecules</i> , 2015, 20, 3565-3581., <i>Molecules</i> , 2016, 21, 93.	3.8	6
106	Quaternized Cellulose Hydrogels as Sorbent Materials and Pickering Emulsion Stabilizing Agents. <i>Materials</i> , 2016, 9, 645.	2.9	29
107	Computational (DFT and MP2) and spectral interpretations, normal coordinate analysis, force constants and barriers to internal rotations of Trimethylacetone. <i>Journal of Theoretical and Computational Chemistry</i> , 2016, 15, 1650034.	1.8	2
108	Preparation and Characterization of a Polymer-Based "Molecular Accordion". <i>Langmuir</i> , 2016, 32, 3066-3078.	3.5	14

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109	Investigation of the Adsorption Processes of Fluorocarbon and Hydrocarbon Anions at the Solid-Solution Interface of Macromolecular Imprinted Polymer Materials. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6553-6568.	3.1	26
110	Modular Cross-Linked Chitosan Beads with Calcium Doping for Enhanced Adsorptive Uptake of Organophosphate Anions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11706-11715.	3.7	35
111	Macromolecular hydration phenomena. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1851-1866.	3.6	10
112	NMR Investigation of the Fractionation of Water-Ethanol Mixtures with Starch and Its Cross-Linked Forms. <i>Energy &amp; Fuels</i> , 2016, 30, 5684-5692.	5.1	6
113	Self-Assembled and Cross-Linked Animal and Plant-Based Polysaccharides: Chitosan-Cellulose Composites and Their Anion Uptake Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33197-33209.	8.0	56
114	Cross-linked chitosan beads for phosphate removal from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	55
115	Synthesis and characterization of surface-modified mesoporous silica materials with $\beta$ -cyclodextrin. <i>Cogent Chemistry</i> , 2016, 2, 1132984.	2.5	25
116	Magnetite/Polymer Brush Nanocomposites with Switchable Uptake Behavior Toward Methylene Blue. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5595-5607.	8.0	73
117	Adsorption of methylene blue onto activated carbon developed from biomass waste by $H_2SO_4$ activation: kinetic, equilibrium and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 25194-25206.	1.0	117
118	Sorption Study of a Starch Biopolymer as an Alternative Desiccant for Energy Wheels. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1262-1273.	6.7	22
119	Raman and infrared spectra, normal coordinate analysis and ab initio calculations of 4-Amino-2-chloropyrimidine-5-carbonitrile. <i>Journal of Molecular Structure</i> , 2016, 1115, 85-93.	3.6	6
120	Adsorption properties of cross-linked cellulose-epichlorohydrin polymers in aqueous solution. <i>Carbohydrate Polymers</i> , 2016, 136, 329-340.	10.2	113
121	Kinetic study on urea uptake with chitosan based sorbent materials. <i>Carbohydrate Polymers</i> , 2016, 135, 180-186.	10.2	45
122	Kinetic Uptake Studies of Powdered Materials in Solution. <i>Nanomaterials</i> , 2015, 5, 969-980.	4.1	30
123	Nano-Sized Cyclodextrin-Based Molecularly Imprinted Polymer Adsorbents for Perfluorinated Compounds-A Mini-Review. <i>Nanomaterials</i> , 2015, 5, 981-1003.	4.1	57
124	Investigation of Chitosan-PVA Composite Films and Their Adsorption Properties. <i>Journal of Geoscience and Environment Protection</i> , 2015, 03, 78-84.	0.5	34
125	Raman, infrared and NMR spectral analysis, normal coordinate analysis and theoretical calculations of 5-(methylthio)-1,3,4-thiadiazole-2(3H)-thione and its thiol tautomer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 339-349.	3.9	16
126	Counterion Anchoring Effect on the Structure of the Solid-State Inclusion Complexes of $\beta$ -Cyclodextrin and Sodium Perfluorooctanoate. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22225-22243.	3.1	18



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127	Thermodynamic Properties of Inclusion Complexes between $\beta$ -Cyclodextrin and Naphthenic Acid Fraction Components. <i>Energy &amp; Fuels</i> , 2015, 29, 3591-3600.	5.1	21
128	A <sup>1</sup> H NMR Study of Host/Guest Supramolecular Complexes of a Curcumin Analogue with $\beta$ -Cyclodextrin and a $\beta$ -Cyclodextrin-Conjugated Gemini Surfactant. <i>Molecular Pharmaceutics</i> , 2015, 12, 2993-3006.	4.6	20
129	Sorptive uptake of selenium with magnetite and its supported materials onto activated carbon. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 388-397.	9.4	35
130	A novel solid-state fractionation of naphthenic acid fraction components from oil sands process-affected water. <i>Chemosphere</i> , 2015, 136, 252-258.	8.2	19
131	Design and characterization of chitosan-based composite particles with tunable interfacial properties. <i>Carbohydrate Polymers</i> , 2015, 132, 369-377.	10.2	6
132	Tuning the physicochemical properties of $\beta$ -cyclodextrin based polyurethanes via cross-linking conditions. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 23-31.	4.4	25
133	A volumetric and NMR study of cyclodextrin-inhalation anesthetic complexes in aqueous solutions. <i>Canadian Journal of Chemistry</i> , 2015, 93, 815-821.	1.1	8
134	Nuclear Magnetic Resonance Investigation of the Fractionation of Water-Ethanol Mixtures with Cellulose and Its Cross-Linked Biopolymer Forms. <i>Energy &amp; Fuels</i> , 2015, 29, 6512-6521.	5.1	9
135	Raman and infrared spectra, crystal structure and DFT calculations of novel N-benzyl-4-(3-benzylcarbamoyl-propyl)disulfanyl-butylamide: [C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NHC(O)(CH <sub>2</sub> ) <sub>4</sub> S] <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2015, 41, 4761-4784.	2.7	2
136	Sorptive Uptake Studies of an Aryl-Arsenical with Iron Oxide Composites on an Activated Carbon Support. <i>Materials</i> , 2014, 7, 1880-1898.	2.9	36
137	Novel materials for environmental remediation of oil sands contaminants. <i>Reviews on Environmental Health</i> , 2014, 29, 5-8.	2.4	12
138	Chitosan-glutaraldehyde copolymers and their sorption properties. <i>Carbohydrate Polymers</i> , 2014, 109, 92-101.	10.2	137
139	Adsorption study of an organo-arsenical with chitosan-based sorbents. <i>Journal of Colloid and Interface Science</i> , 2014, 420, 136-144.	9.4	71
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