Namguk Her

List of Publications by Year
in descending order

64	5,756	76326	118850
papers	citations	40 h-index	62 g-index

64	64	64	6863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of adsorptionâ€“membrane hybrid systems for water and wastewater treatment. Chemosphere, 2022, 286, 131916.	8.2	83
2	Boron nitride-based nanomaterials as adsorbents in water: A review. Separation and Purification Technology, 2022, 288, 120637.	7.9	18
3	Selected advanced water treatment technologies for perfluoroalkyl and polyfluoroalkyl substances: A review. Separation and Purification Technology, 2020, 231, 115929.	7.9	76
4	Removal of contaminants of emerging concern by FO, RO, and UF membranes in water and wastewater. , 2020, , 139-176.		21
5	Effective removal of Pb(<scp>ii</scp>) from synthetic wastewater using Ti₃C₂T_x MXene. Environmental Science: Water Research and Technology, 2020, 6, 173-180.	2.4	62
6	Comprehensive evaluation on removal of lead by graphene oxide and metal organic framework. Chemosphere, 2019, 231, 82-92.	8.2	65
7	Enhanced sonocatalytic degradation of carbamazepine and salicylic acid using a metal-organic framework. Ultrasonics Sonochemistry, 2019, 56, 174-182.	8.2	65
8	Review of MXenes as new nanomaterials for energy storage/delivery and selected environmental applications. Nano Research, 2019, 12, 471-487.	10.4	358
9	Sonocatalytic degradation of carbamazepine and diclofenac in the presence of graphene oxides in aqueous solution. Chemosphere, 2018, 205, 719-727.	8.2	44
10	Aggregation of reduced graphene oxide and its nanohybrids with magnetite and elemental silver under environmentally relevant conditions. Journal of Nanoparticle Research, 2018, 20, 93.	1.9	15
11	Photocatalytic degradation of acesulfame K: Optimization using the Boxâ€“Behnken design (BBD). Chemical Engineering Research and Design, 2018, 113, 10-21.	5.6	97
12	Fabrication of graphene-oxide/Î²-Bi2O3/TiO2/Bi2Ti2O7 heterojuncted nanocomposite and its sonocatalytic degradation for selected pharmaceuticals. Chemosphere, 2018, 212, 723-733.	8.2	34
13	Influence of solution pH, ionic strength, and humic acid on cadmium adsorption onto activated biochar: Experiment and modeling. Journal of Industrial and Engineering Chemistry, 2017, 48, 186-193.	5.8	130
14	Evaluation of performance with small and scale-up rotating and flat reactors; photocatalytic degradation of bisphenol A, 17Î²â€“estradiol, and 17Î±â€“ethynyl estradiol under solar irradiation. Journal of Hazardous Materials, 2017, 336, 21-32.	12.4	24
15	Aggregation kinetics of single walled carbon nanotubes influenced by the frequency of ultrasound irradiation in the aquatic environment. Ultrasonics Sonochemistry, 2017, 39, 750-757.	8.2	11
16	Evaluation of Removal Mechanisms in a Graphene Oxide-Coated Ceramic Ultrafiltration Membrane for Retention of Natural Organic Matter, Pharmaceuticals, and Inorganic Salts. ACS Applied Materials & Interfaces, 2017, 9, 40369-40377.	8.0	80
17	Ultrasonic treatment of endocrine disrupting compounds, pharmaceuticals, and personal care products in water: A review. Chemical Engineering Journal, 2017, 327, 629-647.	12.7	123
18	Occurrence and Removal of Engineered Nanoparticles in Drinking Water Treatment and Wastewater Treatment Processes. Separation and Purification Reviews, 2017, 46, 255-272.	5.5	53

#	Article	IF	Citations
19	Photodegradation of benzene and phenanthrene in aqueous solution using pulsed ultraviolet light. KSCE Journal of Civil Engineering, 2017, 21, 1607-1613.	1.9	4
20	Evaluation of Humic Acid and Tannic Acid Fouling in Graphene Oxide-Coated Ultrafiltration Membranes. ACS Applied Materials & Interfaces, 2016, 8, 22270-22279.	8.0	56
21	Modeling the effects of surfactant, hardness, and natural organic matter on deposition and mobility of silver nanoparticles in saturated porous media. Water Research, 2016, 103, 38-47.	11.3	33
22	Environmental behavior of engineered nanomaterials in porous media: a review. Journal of Hazardous Materials, 2016, 309, 133-150.	12.4	90
23	Sorptive removal of selected emerging contaminants using biochar in aqueous solution. Journal of Industrial and Engineering Chemistry, 2016, 36, 364-371.	5.8	71
24	A new fluorescence index with a fluorescence excitation-emission matrix for dissolved organic matter (DOM) characterization. Desalination and Water Treatment, 2016, 57, 20270-20282.	1.0	24
25	Organic fouling and reverse solute selectivity in forward osmosis: Role of working temperature and inorganic draw solutions. Desalination, 2016, 389, 162-170.	8.2	46
26	Ultrathin graphene oxide membranes for the removal of humic acid. Separation and Purification Technology, 2015, 144, 162-167.	7.9	73
27	Simultaneously photocatalytic treatment of hexavalent chromium (Cr(VI)) and endocrine disrupting compounds (EDCs) using rotating reactor under solar irradiation. Journal of Hazardous Materials, 2015, 288, 124-133.	12.4	33
28	Removal of endocrine disrupting compounds, pharmaceuticals, and personal care products in water using carbon nanotubes: A review. Journal of Industrial and Engineering Chemistry, 2015, 27, 1-11.	5.8	235
29	Adsorption characteristics of diclofenac and sulfamethoxazole to graphene oxide in aqueous solution. Chemosphere, 2015, 136, 20-26.	8.2	221
30	Stabilization and dispersion of carbon nanomaterials in aqueous solutions: A review. Separation and Purification Technology, 2015, 156, 861-874.	7.9	70
31	Sonocatalytic-TiO2 nanotube, Fenton, and CCl4 reactions for enhanced oxidation, and their applications to acetaminophen and naproxen degradation. Separation and Purification Technology, 2015, 141, 1-9.	7.9	60
32	Enhanced ultrasonic degradation of acetaminophen and naproxen in the presence of powdered activated carbon and biochar adsorbents. Separation and Purification Technology, 2014, 123, 96-105.	7.9	72
33	Occurrence of perchlorate in rice from different areas in the Republic of Korea. Environmental Science and Pollution Research, 2014, 21, 1251-1257.	5.3	20
34	Adsorption characteristics of selected hydrophilic and hydrophobic micropollutants in water using activated carbon. Journal of Hazardous Materials, 2014, 270, 144-152.	12.4	357
35	Self-rotating photocatalytic system for aqueous Cr(VI) reduction on TiO2 nanotube/Ti mesh substrate. Chemical Engineering Journal, 2013, 229, 66-71.	12.7	40
36	Adsorption of selected endocrine disrupting compounds and pharmaceuticals on activated biochars. Journal of Hazardous Materials, 2013, 263, 702-710.	12.4	294

#	Article	IF	Citations
37	Ultrasonic degradation of acetaminophen and naproxen in the presence of single-walled carbon nanotubes. Journal of Hazardous Materials, 2013, 254-255, 284-292.	12.4	65
38	Comparison of flux behavior and synthetic organic compound removal by forward osmosis and reverse osmosis membranes. Journal of Membrane Science, 2013, 443, 69-82.	8.2	68
39	Hexavalent chromium removal by various adsorbents: Powdered activated carbon, chitosan, and single/multi-walled carbon nanotubes. Separation and Purification Technology, 2013, 106, 63-71.	7.9	287
40	Natural organic matter removal in single-walled carbon nanotubesâ€“ultrafiltration membrane systems. Desalination, 2012, 298, 75-84.	8.2	34
41	Removal of bisphenol A and 17Î²-estradiol in single walled carbon nanotubesâ€“ultrafiltration (SWNTsâ€“UF) membrane systems. Separation and Purification Technology, 2012, 90, 39-52.	7.9	111
42	Sonocatalytic Degradation of Naphthalene and Phenol in the Presence of Inert Glass Beads and Single-Walled Carbon Nanotubes. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 522-529.	0.5	7
43	Removal of Perchlorate Using Reverse Osmosis and Nanofiltration Membranes. Environmental Engineering Research, 2012, 17, 185-190.	2.5	15
44	Perchlorate in Soybean Sprouts (Glycine maxL. Merr.), Water Dropwort (Oenanthe stoloniferaDC.), and Lotus (Nelumbo nuciferaGaertn.) Root in South Korea. Journal of Agricultural and Food Chemistry, 2011, 59, 7490-7495.	5.2	22
45	Comparative Study of Sonocatalytic Enhancement for Removal of Bisphenol A and 17Î±-Ethinyl Estradiol. Industrial & Engineering Chemistry Research, 2011, 50, 6638-6645.	3.7	13
46	Occurrence of Perchlorate in Drinking Water and Seawater in South Korea. Archives of Environmental Contamination and Toxicology, 2011, 61, 166-172.	4.1	39
47	Sonocatalytic degradation of bisphenol A and 17Î±-ethinyl estradiol in the presence of stainless steel wire mesh catalyst in aqueous solution. Separation and Purification Technology, 2011, 78, 228-236.	7.9	30
48	Sonochemical enhancement of hydrogen peroxide production by inert glass beads and TiO2-coated glass beads in water. Chemical Engineering Journal, 2011, 166, 184-190.	12.7	41
49	Ultrasonic degradation of bisphenol A, 17Î²-estradiol, and 17Î±-ethinyl. Desalination and Water Treatment, 2011, 30, 300-309.	1.0	24
50	Removal of micropollutants and NOM in carbon nanotube-UF membrane system from seawater. Water Science and Technology, 2011, 63, 2737-2744.	2.5	30
51	Perchlorate in dairy milk and milk-based powdered infant formula in South Korea. Chemosphere, 2010, 81, 732-737.	8.2	44
52	Characterizing dissolved organic matter and evaluating associated nanofiltration membrane fouling. Chemosphere, 2008, 70, 495-502.	8.2	107
53	UV absorbance ratio index with size exclusion chromatography (URI-SEC) as an NOM property indicator. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 35-44.	1.4	70
54	Identification of nanofiltration membrane foulants. Water Research, 2007, 41, 3936-3947.	11.3	128

#	Article	IF	Citations
55	Effects of retained natural organic matter (NOM) on NOM rejection and membrane flux decline with nanofiltration and ultrafiltration. Desalination, 2005, 173, 209-221.	8.2	68
56	Determination of Perchlorate Rejection and Associated Inorganic Fouling (Scaling) for Reverse Osmosis and Nanofiltration Membranes under Various Operating Conditions. Journal of Environmental Engineering, ASCE, 2005, 131, 726-733.	1.4	12
57	Size Exclusion Chromatography To Characterize DOC Removal in Drinking Water Treatment. Environmental Science & Technology, 2005, 39, 2334-2342.	10.0	181
58	Characterizing algogenic organic matter (AOM) and evaluating associated NF membrane fouling. Water Research, 2004, 38, 1427-1438.	11.3	293
59	Characterization of DOM as a function of MW by fluorescence EEM and HPLC-SEC using UVA, DOC, and fluorescence detection. Water Research, 2003, 37, 4295-4303.	11.3	437
60	Optimization of Method for Detecting and Characterizing NOM by HPLCâ˜'Size Exclusion Chromatography with UV and On-Line DOC Detection. Environmental Science & Technology, 2002, 36, 1069-1076.	10.0	193
61	Variations of Molecular Weight Estimation by HP-Size Exclusion Chromatography with UVA versus Online DOC Detection. Environmental Science & Technology, 2002, 36, 3393-3399.	10.0	115
62	Transport of perchlorate (ClO4â˜') through NF and UF membranes. Desalination, 2002, 147, 11-17.	8.2	49
63	Seasonal variations of nanofiltration (NF) foulants: identification and control. Desalination, 2000, 132, 143-160.	8.2	99
64	Adsorption of selected micropollutants on powdered activated carbon and biochar in the presence of kaolinite. Desalination and Water Treatment, 0, , 1-13.	1.0	16