

# Onur G Apul

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

1,673  
citations

20  
h-index

40  
g-index

54  
ext. papers

2,070  
ext. citations

8.4  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
51	Elucidating CO nanobubble interfacial reactivity and impacts on water chemistry. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 607, 720-728	9.3	4
50	Symbiotic Engineering: A Novel Approach for Environmental Remediation. <i>ACS ES&amp;T Engineering</i> , <b>2022</b> , 2, 606-616		
49	Effect of air nanobubbles on oxygen transfer, oxygen uptake, and diversity of aerobic microbial consortium in activated sludge reactors.. <i>Bioresource Technology</i> , <b>2022</b> , 127090	11	1
48	Aging of microplastics increases their adsorption affinity towards organic contaminants.. <i>Chemosphere</i> , <b>2022</b> , 298, 134238	8.4	8
47	Biodegradation of petroleum hydrocarbons in a weathered, unsaturated soil is inhibited by peroxide oxidants.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 433, 128770	12.8	2
46	Adsorption of organic pollutants by microplastics: Overview of a dissonant literature. <i>Journal of Hazardous Materials Advances</i> , <b>2022</b> , 6, 100091		0
45	Comparing the morphologies and adsorption behavior of electrospun polystyrene composite fibers with 0D fullerenes, 1D multiwalled carbon nanotubes and 2D graphene oxides. <i>Chemical Engineering Journal Advances</i> , <b>2021</b> , 9, 100199	3.6	1
44	Thermal Regeneration of Spent Granular Activated Carbon Presents an Opportunity to Break the Forever PFAS Cycle. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5608-5619	10.3	14
43	Divided Perception of Drinking Water Safety: Another Manifestation of America's Racial Gap. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 6-7		2
42	Response to the Comment "Closing America's Racial Gap around Drinking Water Quality Perceptions and the Role of the Environmental Engineering and Science Academic Community" <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 461-461		
41	Effects of carbonaceous susceptors on microwave pretreatment of waste activated sludge and subsequent anaerobic digestion. <i>Bioresource Technology Reports</i> , <b>2021</b> , 13, 100641	4.1	1
40	Nano-scale applications in aquaculture: Opportunities for improved production and disease control. <i>Journal of Fish Diseases</i> , <b>2021</b> , 44, 359-370	2.6	2
39	Effect of superfine pulverization of powdered activated carbon on adsorption of carbamazepine in natural source waters. <i>Science of the Total Environment</i> , <b>2021</b> , 793, 148473	10.2	5
38	Repeatable use assessment of silicon carbide as permanent susceptor bed in ex situ microwave remediation of petroleum-impacted soils. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 4, 100116	7.5	1
37	Photocatalytic activity of micron-scale brass on emerging pollutant degradation in water: mechanism elucidation and removal efficacy assessment.. <i>RSC Advances</i> , <b>2020</b> , 10, 39931-39942	3.7	3
36	Microplastic particle versus fiber generation during photo-transformation in simulated seawater. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139690	10.2	33
35	Transformation potential of cannabinoids during their passage through engineered water treatment systems: A perspective. <i>Environment International</i> , <b>2020</b> , 137, 105586	12.9	5

34	Mesoporous activated carbon shows superior adsorption affinity for 11-nor-9-carboxy- $\Delta^9$ -tetrahydrocannabinol in water. <i>Npj Clean Water</i> , <b>2020</b> , 3,	11.2	5
33	Adsorption kinetics of synthetic organic contaminants onto superfine powdered activated carbon. <i>Chemosphere</i> , <b>2020</b> , 253, 126628	8.4	13
32	Critical review for microwave pretreatment of waste-activated sludge prior to anaerobic digestion. <i>Current Opinion in Environmental Science and Health</i> , <b>2020</b> , 14, 1-9	8.1	21
31	Linear solvation energy relationship development for adsorption of synthetic organic compounds by carbon nanomaterials: an overview of the last decade. <i>Environmental Science: Water Research and Technology</i> , <b>2020</b> , 6, 2949-2957	4.2	2
30	Removal of poly- and per-fluoroalkyl substances from aqueous systems by nano-enabled water treatment strategies. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 198-208	4.2	36
29	Adsorption kinetics and aggregation for three classes of carbonaceous adsorbents in the presence of natural organic matter. <i>Chemosphere</i> , <b>2019</b> , 229, 515-524	8.4	20
28	Nanobubble Technologies Offer Opportunities To Improve Water Treatment. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1196-1205	24.3	73
27	The Genesis of a Critical Environmental Concern: Cannabinoids in Our Water Systems. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1746-1747	10.3	7
26	Optimization of biomethane production from anaerobic Co-digestion of microalgae and septic tank sludge. <i>Biomass and Bioenergy</i> , <b>2019</b> , 127, 105266	5.3	18
25	Predictive models for adsorption of organic compounds by Graphene nanosheets: comparison with carbon nanotubes. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 28-34	10.2	14
24	Removal of Bromide from Surface Water: Comparison Between Silver-Impregnated Graphene Oxide and Silver-Impregnated Powdered Activated Carbon. <i>Environmental Engineering Science</i> , <b>2018</b> , 35, 988-995	2	11
23	Bromide and Other Halide Ion Removal From Drinking Waters Using Silver-Amended Coagulation. <i>Journal - American Water Works Association</i> , <b>2018</b> , 110, 13-24	0.5	1
22	Removal of bromide from surface waters using silver impregnated activated carbon. <i>Water Research</i> , <b>2017</b> , 113, 223-230	12.5	23
21	Elucidating Adsorptive Fractions of Natural Organic Matter on Carbon Nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7101-7110	10.3	63
20	The effect of metal (hydr)oxide nano-enabling on intraparticle mass transport of organic contaminants in hybrid granular activated carbon. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 1219-1227	10.2	8
19	Superfine powdered activated carbon incorporated into electrospun polystyrene fibers preserve adsorption capacity. <i>Science of the Total Environment</i> , <b>2017</b> , 592, 458-464	10.2	16
18	Adsorption of organic contaminants by graphene nanosheets: A review. <i>Water Research</i> , <b>2017</b> , 126, 385-398	12.5	251
17	Bioavailability of Carbon Nanomaterial-Adsorbed Polycyclic Aromatic Hydrocarbons to Pimphales promelas: Influence of Adsorbate Molecular Size and Configuration. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9288-9296	10.3	12

16	Carbonaceous nano-additives augment microwave-enabled thermal remediation of soils containing petroleum hydrocarbons. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 997-1002	7.1	15
15	Treatment of Heavy, Long-Chain Petroleum-Hydrocarbon Impacted Soils Using Chemical Oxidation. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142, 04016065	2	20
14	Adsorption of organic contaminants by graphene nanosheets, carbon nanotubes and granular activated carbons under natural organic matter preloading conditions. <i>Science of the Total Environment</i> , <b>2016</b> , 565, 811-817	10.2	62
13	Effect of bead milling on chemical and physical characteristics of activated carbons pulverized to superfine sizes. <i>Water Research</i> , <b>2016</b> , 89, 161-70	12.5	40
12	Linear solvation energy relationships (LSER) for adsorption of organic compounds by carbon nanotubes. <i>Water Research</i> , <b>2016</b> , 98, 28-38	12.5	32
11	Mechanisms and modeling of halogenated aliphatic contaminant adsorption by carbon nanotubes. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 295, 138-44	12.8	32
10	Adsorption of halogenated aliphatic contaminants by graphene nanomaterials. <i>Water Research</i> , <b>2015</b> , 79, 57-67	12.5	72
9	High porosity scintillating polymer resins for ionizing radiation sensor applications. <i>Polymer</i> , <b>2015</b> , 56, 271-279	3.9	16
8	Adsorption of synthetic organic contaminants by carbon nanotubes: a critical review. <i>Water Research</i> , <b>2015</b> , 68, 34-55	12.5	222
7	Influence of carbon nanotubes on the bioavailability of fluoranthene. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 658-66	3.8	30
6	Comparing graphene, carbon nanotubes, and superfine powdered activated carbon as adsorptive coating materials for microfiltration membranes. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 261, 91-8	12.8	54
5	Development of a 3D QSPR model for adsorption of aromatic compounds by carbon nanotubes: comparison of multiple linear regression, artificial neural network and support vector machine. <i>RSC Advances</i> , <b>2013</b> , 3, 23924	3.7	21
4	Adsorption of aromatic organic contaminants by graphene nanosheets: comparison with carbon nanotubes and activated carbon. <i>Water Research</i> , <b>2013</b> , 47, 1648-54	12.5	236
3	Predictive model development for adsorption of aromatic contaminants by multi-walled carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2295-303	10.3	75
2	Impact of carbon nanotube morphology on phenanthrene adsorption. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 73-8	3.8	45
1	The Dewaterability of Disintegrated Sludge Samples Before and After Anaerobic Digestion. <i>Drying Technology</i> , <b>2010</b> , 28, 901-909	2.6	24