

# Rongfu Huang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8652722/publications.pdf>

Version: 2024-02-01

36  
papers

1,095  
citations

377584

21  
h-index

445137

33  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of raw and ozonated oil sands process water utilizing atmospheric pressure gas chromatography time-of-flight mass spectrometry combined with solid phase microextraction. <i>Chemosphere</i> , 2021, 266, 129017.	4.2	7
2	Fourier transform infrared spectroscopy as a surrogate tool for the quantification of naphthenic acids in oil sands process water and groundwater. <i>Science of the Total Environment</i> , 2020, 734, 139191.	3.9	15
3	Molecular transformation of dissolved organic matter in process water from oil and gas operation during UV/H <sub>2</sub> O <sub>2</sub> , UV/chlorine, and UV/persulfate processes. <i>Science of the Total Environment</i> , 2020, 730, 139072.	3.9	27
4	Comparison of UV/Persulfate and UV/H <sub>2</sub> O <sub>2</sub> for the removal of naphthenic acids and acute toxicity towards <i>Vibrio fischeri</i> from petroleum production process water. <i>Science of the Total Environment</i> , 2019, 694, 133686.	3.9	38
5	Separation of oil sands process water organics and inorganics and examination of their acute toxicity using standard in-vitro bioassays. <i>Science of the Total Environment</i> , 2019, 695, 133532.	3.9	22
6	Persistent and transgenerational effects of raw and ozonated oil sands process-affected water exposure on a model vertebrate, the zebrafish. <i>Science of the Total Environment</i> , 2019, 693, 133611.	3.9	10
7	Ferrate oxidation of distinct naphthenic acids species isolated from process water of unconventional petroleum production. <i>Science of the Total Environment</i> , 2019, 672, 906-915.	3.9	5
8	Assessment of ozonation reactivity of aromatic and oxidized naphthenic acids species separated using a silver-ion solid phase extraction method. <i>Chemosphere</i> , 2019, 219, 313-320.	4.2	7
9	Characterization and determination of naphthenic acids species in oil sands process-affected water and groundwater from oil sands development area of Alberta, Canada. <i>Water Research</i> , 2018, 128, 129-137.	5.3	52
10	Assessment of raw and ozonated oil sands process-affected water exposure in developing zebrafish: Associating morphological changes with gene expression. <i>Environmental Pollution</i> , 2018, 241, 959-968.	3.7	13
11	Monitoring of classical, oxidized, and heteroatomic naphthenic acids species in oil sands process water and groundwater from the active oil sands operation area. <i>Science of the Total Environment</i> , 2018, 645, 277-285.	3.9	22
12	Comparison of methods for determination of total oil sands-derived naphthenic acids in water samples. <i>Chemosphere</i> , 2017, 187, 376-384.	4.2	44
13	Investigation of dissociation constants for individual and total naphthenic acids species using ultra performance liquid chromatography ion mobility time-of-flight mass spectrometry analysis. <i>Chemosphere</i> , 2017, 184, 738-746.	4.2	8
14	Silver-Ion Solid Phase Extraction Separation of Classical, Aromatic, Oxidized, and Heteroatomic Naphthenic Acids from Oil Sands Process-Affected Water. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6433-6441.	4.6	28
15	Positive and negative electrospray ionization analyses of the organic fractions in raw and oxidized oil sands process-affected water. <i>Chemosphere</i> , 2016, 165, 239-247.	4.2	20
16	Characterization and distribution of metal and nonmetal elements in the Alberta oil sands region of Canada. <i>Chemosphere</i> , 2016, 147, 218-229.	4.2	25
17	Oxidation of Oil Sands Process-Affected Water by Potassium Ferrate(VI). <i>Environmental Science &amp; Technology</i> , 2016, 50, 4238-4247.	4.6	34
18	Investigation of the impact of organic solvent type and solution pH on the extraction efficiency of naphthenic acids from oil sands process-affected water. <i>Chemosphere</i> , 2016, 146, 472-477.	4.2	55

#	ARTICLE	IF	CITATIONS
19	Arsenic Metabolites, Including <i>N</i> -Acetyl-4-hydroxy-m-arsanilic Acid, in Chicken Litter from a Roxarsone-Feeding Study Involving 1600 Chickens. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6737-6743.	4.6	60
20	Ultra Performance Liquid Chromatography Ion Mobility Time-of-Flight Mass Spectrometry Characterization of Naphthenic Acids Species from Oil Sands Process-Affected Water. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11737-11745.	4.6	30
21	Fractionation of oil sands-process affected water using pH-dependent extractions: A study of dissociation constants for naphthenic acids species. <i>Chemosphere</i> , 2015, 127, 291-296.	4.2	44
22	Liquid chromatography combined with atomic and molecular mass spectrometry for speciation of arsenic in chicken liver. <i>Journal of Chromatography A</i> , 2014, 1370, 40-49.	1.8	48
23	Analytical and Toxicity Characterization of Halo-hydroxyl-benzoquinones as Stable Halobenzoquinone Disinfection Byproducts in Treated Water. <i>Analytical Chemistry</i> , 2014, 86, 4982-4988.	3.2	125
24	Study on distribution of elements in deep-sea Pacific polymetallic nodules via two-dimensional mapping laser ionization orthogonal time-of-flight mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 85, 13-19.	1.5	5
25	Ultra Pressure Liquid Chromatography-Negative Electrospray Ionization Mass Spectrometry Determination of Twelve Halobenzoquinones at ng/L Levels in Drinking Water. <i>Analytical Chemistry</i> , 2013, 85, 4520-4529.	3.2	62
26	Elemental Imaging via Laser Ionization Orthogonal Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 1102-1107.	3.2	18
27	High irradiance laser ionization orthogonal time-of-flight mass spectrometry: A versatile tool for solid analysis. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1256-1268.	2.8	35
28	Laser Ionization Orthogonal Time-of-Flight Mass Spectrometry for Simultaneous Determination of Nonmetallic Elements in Solids. <i>Analytical Chemistry</i> , 2010, 82, 1949-1953.	3.2	30
29	Two-Dimensional Separation in Laser Ionization Orthogonal Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3077-3080.	3.2	17
30	A spectroscopic investigation of the afterglow and recombination process in a microsecond pulsed glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 534.	1.6	20
31	A small high-irradiance laser ionization time-of-flight mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2009, 44, 780-785.	0.7	21
32	Laser ionization time-of-flight mass spectrometry for direct elemental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1174-1185.	5.8	37
33	Influence of wavelength, irradiance, and the buffer gas pressure on high irradiance laser ablation and ionization source coupled with an orthogonal Time of Flight Mass Spectrometer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 255-261.	1.5	15
34	Characterization of laser ablation and ionization in helium and argon: A comparative study by time-of-flight mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1204-1211.	1.5	17
35	Applicability of Standardless Semiquantitative Analysis of Solids by High-Irradiance Laser Ionization Orthogonal Time-of-Fight Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 4343-4348.	3.2	41
36	Direct analysis of mercury in Traditional Chinese Medicines using thermolysis coupled with on-line atomic absorption spectrometry. <i>Talanta</i> , 2006, 68, 728-734.	2.9	38