

# Yuri E Corilo

## List of Publications by Year in descending order

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49  
papers

1,851  
citations

218677

26  
h-index

265206

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy Petroleum Composition. 5. Compositional and Structural Continuum of Petroleum Revealed. <i>Energy &amp; Fuels</i> , 2013, 27, 1268-1276.	5.1	166
2	Adsorptive fractionation of dissolved organic matter (DOM) by mineral soil: Macroscale approach and molecular insight. <i>Organic Geochemistry</i> , 2017, 103, 113-124.	1.8	102
3	Petroleomics by EASI(±) FT-ICR MS. <i>Analytical Chemistry</i> , 2010, 82, 3990-3996.	6.5	97
4	Poly (ethylene terephthalate) thermo-mechanical and thermo-oxidative degradation mechanisms. <i>Polymer Degradation and Stability</i> , 2009, 94, 1849-1859.	5.8	82
5	Solid-Phase Extraction Fractionation To Extend the Characterization of Naphthenic Acids in Crude Oil by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2014, 28, 5043-5048.	5.1	79
6	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. <i>Journal of Mass Spectrometry</i> , 2013, 48, 989-997.	1.6	77
7	4 Years after the <i>Deepwater Horizon</i> Spill: Molecular Transformation of Macondo Well Oil in Louisiana Salt Marsh Sediments Revealed by FT-ICR Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9061-9069.	10.0	66
8	Novel Method To Isolate Interfacial Material. <i>Energy &amp; Fuels</i> , 2015, 29, 7058-7064.	5.1	64
9	Whisky analysis by electrospray ionization-Fourier transform mass spectrometry. <i>Food Research International</i> , 2013, 51, 98-106.	6.2	57
10	Petroleomics by Ultrahigh-Resolution Time-of-Flight Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2012, 26, 5787-5794.	5.1	56
11	Comparison of Atmospheric Pressure Ionization for the Analysis of Heavy Petroleum Fractions with Ion Mobility-Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2016, 30, 8896-8903.	5.1	56
12	Oil Spill Source Identification by Principal Component Analysis of Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectra. <i>Analytical Chemistry</i> , 2013, 85, 9064-9069.	6.5	51
13	Isomeric Separation and Structural Characterization of Acids in Petroleum by Ion Mobility Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2015, 29, 3626-3633.	5.1	50
14	Fractionation of Interfacial Material Reveals a Continuum of Acidic Species That Contribute to Stable Emulsion Formation. <i>Energy &amp; Fuels</i> , 2017, 31, 5933-5939.	5.1	48
15	Sesquiterpene lactones from <i>Vernonia scorpioides</i> and their in vitro cytotoxicity. <i>Phytochemistry</i> , 2010, 71, 1539-1544.	2.9	46
16	Petroleomics by Traveling Wave Ion Mobility Mass Spectrometry Using CO <sub>2</sub> as a Drift Gas. <i>Energy &amp; Fuels</i> , 2013, 27, 7277-7286.	5.1	46
17	Chromatographic Enrichment and Subsequent Separation of Nickel and Vanadyl Porphyrins from Natural Seeps and Molecular Characterization by Positive Electrospray Ionization FT-ICR Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 10708-10715.	6.5	45
18	Gasoline, Kerosene, and Diesel Fingerprinting via Polar Markers. <i>Energy &amp; Fuels</i> , 2012, 26, 3542-3547.	5.1	42

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19	The National Microbiome Data Collaborative: enabling microbiome science. <i>Nature Reviews Microbiology</i> , 2020, 18, 313-314.	28.6	42
20	Calculation of the Total Sulfur Content in Crude Oils by Positive-Ion Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2016, 30, 3962-3966.	5.1	41
21	Baseline correction of absorption-mode Fourier transform ion cyclotron resonance mass spectra. <i>International Journal of Mass Spectrometry</i> , 2012, 325-327, 67-72.	1.5	38
22	FT-ICR MS analysis of blended pine-microalgae feedstock HTL biocrudes. <i>Fuel</i> , 2018, 216, 341-348.	6.4	37
23	Comprehensive Chemical Composition of Gas Oil Cuts Using Two-Dimensional Gas Chromatography with Time-of-Flight Mass Spectrometry and Electrospray Ionization Coupled to Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2012, 26, 5069-5079.	5.1	31
24	Characterization of Fast Pyrolysis Products Generated from Several Western USA Woody Species. <i>Energy &amp; Fuels</i> , 2014, 28, 6438-6446.	5.1	30
25	Effect of the Water Content on Silica Gel for the Isolation of Interfacial Material from Athabasca Bitumen. <i>Energy &amp; Fuels</i> , 2015, 29, 7150-7155.	5.1	27
26	Charge-tagged N-heterocyclic carbenes. <i>RSC Advances</i> , 2011, 1, 73.	3.6	26
27	Probing Aggregation Tendencies in Asphaltenes by Gel Permeation Chromatography. Part 2: Online Detection by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry and Inductively Coupled Plasma Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2020, 34, 10915-10925.	5.1	26
28	Direct Analysis of Thin-Layer Chromatography Separations of Petroleum Samples by Laser Desorption Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Imaging. <i>Energy &amp; Fuels</i> , 2014, 28, 6284-6288.	5.1	25
29	Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Athabasca Oil Sand Process-Affected Waters Incubated in the Presence of Wetland Plants. <i>Energy &amp; Fuels</i> , 2017, 31, 1731-1740.	5.1	25
30	Recognition and resolution of isomeric alkyl anilines by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 269-277.	2.8	24
31	Structure-drift time relationships in ion mobility mass spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 117-132.	1.4	24
32	Multiply Charged (Diâ€)Radicals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 151-154.	13.8	23
33	From Monomers to Geometry-Constrained Molecules: One Step Further Toward Cyanide Bridged Wires. <i>Inorganic Chemistry</i> , 2009, 48, 11226-11235.	4.0	19
34	Fast Screening and Secure Confirmation of Milk Powder Adulteration with Maltodextrin via Electrospray Ionizationâ€”Mass Spectrometry [ESI(+)] and Selective Enzymatic Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9407-9412.	5.2	19
35	Precision in Petroleomics via Ultrahigh Resolution Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2013, 27, 7208-7216.	5.1	19
36	Online Coupling of Liquid Chromatography with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry at 21 T Provides Fast and Unique Insight into Crude Oil Composition. <i>Analytical Chemistry</i> , 2021, 93, 13749-13754.	6.5	19

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37	A new polyacetylene from <i>Vernonia scorpioides</i> (Lam.) Pers. (Asteraceae) and its in vitro antitumoral activity. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1327-1333.	0.6	18
38	MSn of the six isomers of (GlcN) <sub>2</sub> (GlcNAc) <sub>2</sub> aminoglucan tetrasaccharides (diacetylchitotetraoses): Rules of fragmentation for the sodiated molecules and application to sequence analysis of hetero-chitooligosaccharides. <i>Carbohydrate Polymers</i> , 2011, 84, 713-726.	10.2	18
39	Polar Lipid Composition of Biodiesel Algae Candidates <i>Nannochloropsis oculata</i> and <i>Haematococcus pluvialis</i> from Nano Liquid Chromatography Coupled with Negative Electrospray Ionization 14.5 T Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2016, 30, 8270-8276.	5.1	18
40	Intrinsic Mobility of Gaseous Cationic and Anionic Aggregates of Ionic Liquids. <i>ChemPhysChem</i> , 2011, 12, 1444-1447.	2.1	14
41	Search for alkaloids on callus culture of <i>Passiflora alata</i> . <i>Brazilian Archives of Biology and Technology</i> , 2010, 53, 901-910.	0.5	12
42	Recognizing <sup>1</sup> â€•, <sup>2</sup> â€• or <sup>3</sup> â€• substitution in pyridines by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1636-1640.	1.6	10
43	Dimerization of ionized 4â€•(methyl mercapto)â€•phenol during ESI, APCI and APPI mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1389-1394.	1.6	9
44	Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Oil Sand Process-Affected Water in Constructed Wetland Treatment. <i>Energy &amp; Fuels</i> , 2019, 33, 4420-4431.	5.1	8
45	Intrinsic acidity and electrophilicity of gaseous propargyl/allenyl carbocations. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2580.	2.8	6
46	Challenges in Bioinformatics Workflows for Processing Microbiome Omics Data at Scale. <i>Frontiers in Bioinformatics</i> , 2022, 1, .	2.1	6
47	Characterization of Ketones Formed in the Open System Corrosion Test of Naphthenic Acids by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2019, 33, 4946-4950.	5.1	5
48	Exploring the intrinsic polar [4â€•+â€• <sup>2</sup> <sup>+</sup>] cycloaddition reactivity of gaseous carbosulfonium and carboxonium ions. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1526-1535.	1.6	1
49	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. <i>Journal of Mass Spectrometry</i> , 2013, 48, i-i.	1.6	1