

# Nikolai A Pedentchouk

## List of Publications by Year in descending order

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34  
papers

2,228  
citations

304368

22  
h-index

377514

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subtropical Arctic Ocean temperatures during the Palaeocene/Eocene thermal maximum. <i>Nature</i> , 2006, 441, 610-613.	13.7	578
2	Arctic hydrology during global warming at the Palaeocene/Eocene thermal maximum. <i>Nature</i> , 2006, 442, 671-675.	13.7	410
3	$\delta^{13}\text{C}$ and $\delta^2\text{H}$ compositions of n-alkanes from modern angiosperms and conifers: An experimental set up in central Washington State, USA. <i>Organic Geochemistry</i> , 2008, 39, 1066-1071.	0.9	132
4	Proliferation of hydrocarbon-degrading microbes at the bottom of the Mariana Trench. <i>Microbiome</i> , 2019, 7, 47.	4.9	128
5	Effect of leaf litter degradation and seasonality on D/H isotope ratios of n-alkane biomarkers. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4917-4928.	1.6	87
6	The inhibitor of wax 1 locus ( <i>w1</i> ) prevents formation of $\delta^2\text{H}$ and $\delta^{13}\text{C}$ ketones in wheat cuticular waxes and maps to a sub-M interval on chromosome arm 2BS. <i>Plant Journal</i> , 2013, 74, 989-1002.	2.8	82
7	Black shale deposition in an Upper Ordovician–Silurian permanently stratified, peri-glacial basin, southern Jordan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 368-377.	1.0	81
8	Different response of $\delta^2\text{H}$ values of n-alkanes, isoprenoids, and kerogen during thermal maturation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2063-2072.	1.6	75
9	Is it really organic? – Multi-isotopic analysis as a tool to discriminate between organic and conventional plants. <i>Food Chemistry</i> , 2013, 141, 2812-2820.	4.2	75
10	Apportioning sources of organic matter in streambed sediments: An integrated molecular and compound-specific stable isotope approach. <i>Science of the Total Environment</i> , 2015, 520, 187-197.	3.9	73
11	Understanding 2H/1H systematics of leaf wax n-alkanes in coastal plants at Stiffkey saltmarsh, Norfolk, UK. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 13-28.	1.6	50
12	A high-resolution carbon-isotope record of the Turonian stage correlated to a siliciclastic basin fill: Implications for mid-Cretaceous sea-level change. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 405, 42-58.	1.0	40
13	Compound-specific stable isotopes of organic compounds from lake sediments track recent environmental changes in an alpine ecosystem, Rocky Mountain National Park, Colorado. <i>Limnology and Oceanography</i> , 2008, 53, 1468-1478.	1.6	38
14	Mobilization of optically invisible dissolved organic matter in response to rainstorm events in a tropical forest headwater river. <i>Geophysical Research Letters</i> , 2014, 41, 1202-1208.	1.5	38
15	Stable isotope analysis of plant-derived nitrate – Novel method for discrimination between organically and conventionally grown vegetables. <i>Food Chemistry</i> , 2014, 154, 238-245.	4.2	35
16	A "Great Deepening": Chronology of rift climax, Corinth rift, Greece. <i>Geology</i> , 2012, 40, 999-1002.	2.0	34
17	Fire and ecosystem change in the Arctic across the Paleocene–Eocene Thermal Maximum. <i>Earth and Planetary Science Letters</i> , 2017, 467, 149-156.	1.8	34
18	Sources of alkylbenzenes in Lower Cretaceous lacustrine source rocks, West African rift basins. <i>Organic Geochemistry</i> , 2004, 35, 33-45.	0.9	32

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19	Contrasting controls on the phosphorus concentration of suspended particulate matter under baseflow and storm event conditions in agricultural headwater streams. <i>Science of the Total Environment</i> , 2015, 533, 49-59.	3.9	31
20	Investigating the carbon isotope composition and leaf wax n-alkane concentration of C3 and C4 plants in Stiffkey saltmarsh, Norfolk, UK. <i>Organic Geochemistry</i> , 2016, 96, 28-42.	0.9	29
21	The impact of environmental factors on molecular and stable isotope compositions of n-alkanes in Mediterranean extra virgin olive oils. <i>Food Chemistry</i> , 2015, 173, 114-121.	4.2	27
22	Carbon and hydrogen isotopic compositions of n-alkanes as a tool in petroleum exploration. <i>Geological Society Special Publication</i> , 2018, 468, 105-125.	0.8	22
23	Evaluation of branched GDGTs and leaf wax n-alkane $\delta^2\text{H}$ as (paleo) environmental proxies in East Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 182-193.	1.6	20
24	Differences in n-alkane profiles between olives and olive leaves as potential indicators for the assessment of olive leaf presence in virgin olive oils. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1480-1485.	1.0	17
25	Climatic variability in Mfabeni peatlands (South Africa) since the late Pleistocene. <i>Quaternary Science Reviews</i> , 2017, 160, 57-66.	1.4	12
26	Seasonal patterns of rainfall and river isotopic chemistry in northern Amazonia (Guyana): From the headwater to the regional scale. <i>Journal of South American Earth Sciences</i> , 2014, 52, 108-118.	0.6	11
27	An integrated carbon isotope record of an end-Permian crater lake above a phreatomagmatic pipe of the Siberian Traps. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 428, 39-49.	1.0	8
28	Variation in Hydrogen Isotope Composition Among Salt Marsh Plant Organic Compounds Highlights Biochemical Mechanisms Controlling Biosynthetic Fractionation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2645-2660.	1.3	8
29	Impact of climate change on the ecology of the Kyambangunguru crater marsh in southwestern Tanzania during the Late Holocene. <i>Quaternary Science Reviews</i> , 2018, 196, 100-117.	1.4	5
30	New online methods for determining the deuterium/hydrogen composition of water and hydrocarbon gases using $\text{O}^{2+}$ ion-conducting solid electrolyte reactor. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2584-2590.	0.7	2
31	$\delta^{13}\text{C}$ and $\delta^2\text{H}$ Values of n-Alkanes from In-Reservoir Biodegraded Oils: Implications for Understanding the Mechanisms of Biodegradation and for Petroleum Exploration. <i>Geosciences (Switzerland)</i> , 2021, 11, 365.	1.0	1
32	A novel tri-unsaturated highly branched isoprenoid (HBI) alkene from the marine diatom <i>Navicula salinicola</i> . <i>Organic Geochemistry</i> , 2020, 146, 104050.	0.9	1
33	Factors Controlling Carbon and Hydrogen Isotope Fractionation During Biosynthesis of Lipids by Phototrophic Organisms. , 2020, , 99-122.		1
34	Factors Controlling Carbon and Hydrogen Isotope Fractionation During Biosynthesis of Lipids by Phototrophic Organisms. , 2018, , 1-24.		0