Alexei V Tiunov

List of Publications by Year
in descending order

125	5,566	147566	88477
papers	citations	31 h-index	70 g-index

134	134	134	6004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical modelling of the interaction of winter wheat (Triticum aestivum) and Fusarium species (Fusarium spp.). Ecological Modelling, 2022, 465, 109856.	1.2	5
2	Feeding habits and multifunctional classification of soilâ€associated consumers from protists to vertebrates. Biological Reviews, 2022, 97, 1057-1117.	4.7	113
3	The isotopic signature of the â€œarthropod rainâ€•in a temperate forest. Scientific Reports, 2022, 12, 321.	1.6	4
4	Prokaryotic community formation on polyethylene films incubated for six months in a tropical soil. Environmental Pollution, 2021, 269, 116126.	3.7	14
5	Symbiotic Nitrogen Fixation by Legumes in Alpine Ecosystems: a Vegetation Experiment. Russian Journal of Ecology, 2021, 52, 9-17.	0.3	4
6	Spruce girdling decreases abundance of fungivorous soil nematodes in a boreal forest. Soil Biology and Biochemistry, 2021, 155, 108184.	4.2	19
7	Cyanobacteria as a Food Source for Invertebrates: Results of a Model Experiment. Russian Journal of Ecology, 2021, 52, 247-252.	0.3	6
8	Trophic-based diversification in benthivorous charrs (Salvelinus) dwelling littoral zones of Northern lakes. Hydrobiologia, 2021, 848, 4115-4133.	1.0	2
9	Size compartmentalization of energy channeling in terrestrial belowground food webs. Ecology, 2021, 102, e03421.	1.5	36
10	Detrital subsidy alters the soil invertebrate community and reduces infection of winter wheat seedlings by Fusarium wilt. Applied Soil Ecology, 2021, 163, 103914.	2.1	9
11	Properties of the Yeast Communities Associated with Termites of a Tropical Monsoon Forest: Cat Tien National Park, Vietnam. Microbiology, 2021, 90, 489-499.	0.5	1
12	Soil arthropod communities are not affected by invasive Solidago gigantea Aiton (Asteraceae), based on morphology and metabarcoding analyses. Soil Biology and Biochemistry, 2021, 159, 108288.	4.2	7
13	Trophic positions and niche segregation of two anuran species in the ecosystem of a forest lake. Hydrobiologia, 2021, 848, 4801-4814.	1.0	1
14	Soil microbiome, organic matter content and microbial abundance in forest and forest-derived land cover in Cat Tien National Park (Vietnam). Applied Soil Ecology, 2021, 165, 103957.	2.1	9
15	Trophic interactions between Fusarium species and soil fauna: A meta-analysis of experimental studies. Applied Soil Ecology, 2020, 145, 103302.	2.1	19
16	Soils and Nitrogen Nutrition of Plants in Alpine Ecosystems of the Northwest Caucasus under Long-Term Increase in Availability of Biogenic Elements. Eurasian Soil Science, 2020, 53, 1173-1181.	0.5	3
17	Trophic Structure of Small Invertebrates Inhabiting Litter of a Monsoon Tropical Forest. Russian Journal of Ecology, 2020, 51, 492-496.	0.3	3
18	Interaction of Invertebrates and Synthetic Polymers in Soil: A Review. Russian Journal of Ecology, 2020, 51, 503-517.	0.3	11

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19	Peatland Development, Vegetation History, Climate Change and Human Activity in the Valdai Uplands (Central European Russia) during the Holocene: A Multi-Proxy Palaeoecological Study. Diversity, 2020, 12, 462.	0.7	13
20	Isotope analyses of amino acids in fungi and fungal feeding Diptera larvae allow differentiating ectomycorrhizal and saprotrophic fungiâ€based food chains. Functional Ecology, 2020, 34, 2375-2388.	1.7	16
21	Different groups of groundâ€dwelling spiders share similar trophic niches in temperate forests. Ecological Entomology, 2020, 45, 1346-1356.	1.1	9
22	Orchid epiphytes do not receive organic substances from living trees through fungi. Mycorrhiza, 2020, 30, 697-704.	1.3	6
23	Isotope evidence for latitudinal migrations of the dragonfly Sympetrum fonscolombii (Odonata:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	6
24	Stable C and N Isotope Composition of Suspended Particulate Organic Matter in the Neva Estuary: The Role of Abiotic Factors, Productivity, and Phytoplankton Taxonomic Composition. Journal of Marine Science and Engineering, 2020, 8, 959.	1.2	7
25	Seasonal Migrations of Pantala flavescens (Odonata: Libellulidae) in Middle Asia and Understanding of the Migration Model in the Afro-Asian Region Using Stable Isotopes of Hydrogen. Insects, 2020, 11, 890.	1.0	8
26	Isotopic Composition of Carbon in Humus Acids of Albic Retisols and Luvic Chernozems. Eurasian Soil Science, 2020, 53, 430-435.	0.5	4
27	Nitrogen Nutrition of Plants in an Alpine Lichen Heath under the Conditions of Soil Enrichment with Biogenic Elements. Russian Journal of Ecology, 2020, 51, 99-106.	0.3	4
28	A global database of soil nematode abundance and functional group composition. Scientific Data, 2020, 7, 103.	2.4	46
29	Ecotype and geographical variation in carbon and nitrogen stable isotope values in western North Pacific killer whales (<scp>Orcinus orca</scp>). Marine Mammal Science, 2020, 36, 925-938.	0.9	4
30	KEYLINK: towards a more integrative soil representation for inclusion in ecosystem scale models. I. review and model concept. PeerJ, 2020, 8, e9750.	0.9	21
31	Fjordic Lagoons of the Barents Sea as Models for Study of the Dynamics of Coastal Communities with Alien Red King Crab (Paralithodes camtschaticus, Decapoda, Lithodidae). Biology Bulletin, 2020, 47, 1142-1158.	0.1	2
32	Isotope markers of ecosystems and nutrition of the medieval rural population in the forest zone of European Russia. Rossijskaja Arheologija, 2020, , 79-95.	0.2	4
33	Assimilation of Aboveground Litter Carbon Versus Soil Carbon by Collembola and Lumbricidae in Spruce Forest: A Litter Replacement Experiment. Polish Journal of Ecology, 2020, 68, .	0.2	0
34	Uncovering trophic positions and food resources of soil animals using bulk natural stable isotope composition. Biological Reviews, 2019, 94, 37-59.	4.7	144
35	Dependence of epiphytic community on autochthonous and allochthonous sources of nitrogen in three forest habitats of southern Vietnam. Plant and Soil, 2019, 443, 565-574.	1.8	9
36	Trophic Position of Consumers and Size Structure of Food Webs across Aquatic and Terrestrial Ecosystems. American Naturalist, 2019, 194, 823-839.	1.0	76

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37	Adaptive radiation of barbs of the genus Labeobarbus (Cyprinidae) in an East African river. Freshwater Biology, 2019, 64, 1721-1736.	1.2	29
38	A methodological framework to embrace soil biodiversity. Soil Biology and Biochemistry, 2019, 136, 107536.	4.2	88
39	Soil nematode abundance and functional group composition at a global scale. Nature, 2019, 572, 194-198.	13.7	635
40	Anthropogenic carbon as a basal resource in the benthic food webs in the Neva Estuary (Baltic Sea). Marine Pollution Bulletin, 2019, 146, 190-200.	2.3	19
41	Stable Isotope Trophic Fractionation (13C/12C and 15N/14N) in Mycophagous Diptera Larvae. Biology Bulletin, 2019, 46, 457-465.	0.1	8
42	Combining bulk and amino acid stable isotope analyses to quantify trophic level and basal resources of detritivores: a case study on earthworms. Oecologia, 2019, 189, 447-460.	0.9	33
43	Arthropod rain in a temperate forest: Intensity and composition. Pedobiologia, 2019, 75, 52-56.	0.5	6
44	Trophic structure of a tropical soil- and litter-dwelling oribatid mite community and consistency of trophic niches across biomes. Experimental and Applied Acarology, 2019, 78, 29-48.	0.7	8
45	Trophic consistency of supraspecific taxa in belowâ€ground invertebrate communities: Comparison across lineages and taxonomic ranks. Functional Ecology, 2019, 33, 1172-1183.	1.7	30
46	Collecting fungal mycelium using in-growth mesh bags: Effects of the sand particle size and seasonality. Pedobiologia, 2019, 77, 150591.	0.5	7
47	In the Memory of Our Teacher. Biology Bulletin, 2019, 46, 427-429.	0.1	0
48	Nitrogen Isotopes in Soils and Plants of Tundra Ecosystems in the Khibiny Mountains. Eurasian Soil Science, 2019, 52, 1195-1206.	0.5	6
49	Foraging behaviour as a mechanism for trophic niche separation in a millipede community of southern Vietnam. European Journal of Soil Biology, 2019, 90, 36-43.	1.4	8
50	Non-vascular plants as a food source for litter-dwelling Collembola: Field evidence. Pedobiologia, 2018, 66, 11-17.	0.5	31
51	A relative contribution of carbon from green tide algae Cladophora glomerata and Ulva intestinalis in the coastal food webs in the Neva Estuary (Baltic Sea). Marine Pollution Bulletin, 2018, 126, 43-50.	2.3	14
52	Collapse of trophicâ€niche structure in belowground communities under anthropogenic disturbance. Ecosphere, 2018, 9, e02528.	1.0	19
53	Isotopic Composition of Blood of Polar Bears (Ursus maritimus) of the Karaâ€“Barents Sea Population. Doklady Biological Sciences, 2018, 480, 93-96.	0.2	1
54	A mixotrophy is in question: new data on fungal community associated with photosynthetic terrestrial orchid Goodyera repens. Botanica Pacifica, 2018, 7, .	0.1	4

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55	Trophic position and seasonal changes in the diet of the red wood ant <scp>F</scp>ormica aquilonia as indicated by stable isotope analysis. Ecological Entomology, 2017, 42, 263-272.	1.1	17
56	Long-term changes in primary production and mineralization of organic matter in the Neva Estuary (Baltic Sea). Journal of Marine Systems, 2017, 171, 73-80.	0.9	31
57	Changes in elemental and isotopic composition accompanying larval growth and metamorphosis of the moor frog. Russian Journal of Developmental Biology, 2017, 48, 41-48.	0.1	1
58	Priorities for research in soil ecology. Pedobiologia, 2017, 63, 1-7.	0.5	64
59	Non-indigenous amphipods and mysids in coastal food webs of eastern Baltic Sea estuaries. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 581-590.	0.4	6
60	Flexible trophic position of polyphagous wireworms (Coleoptera, Elateridae): A stable isotope study in the steppe belt of Russia. Applied Soil Ecology, 2017, 121, 74-81.	2.1	8
61	Arthropods in the subsoil: Abundance and vertical distribution as related to soil organic matter, microbial biomass and plant roots. European Journal of Soil Biology, 2017, 82, 88-97.	1.4	49
62	Distribution of yeast complexes in the profiles of different soil types. Eurasian Soil Science, 2017, 50, 820-825.	0.5	14
63	Taxonomic resolution and functional traits in the analysis of tropical oribatid mite assemblages. Experimental and Applied Acarology, 2017, 73, 365-381.	0.7	12
64	The trophic position of the alien crab Rhithropanopeus harrisii (crustacea decapoda panopeidae) in the Taman Bay, Sea of Azov community. Oceanology, 2017, 57, 289-297.	0.3	3
65	Soil fauna: key to new carbon models. Soil, 2016, 2, 565-582.	2.2	149
66	Trophic generalism at the population level in ground beetles (Coleoptera: Carabidae). Canadian Entomologist, 2016, 148, 284-293.	0.4	9
67	Shortâ€term incorporation of freshly fixed plant carbon into the soil animal food web: field study in a spruce forest. Ecological Research, 2016, 31, 923-933.	0.7	23
68	Assimilation of plant-derived freshly fixed carbon by soil collembolans: Not only via roots?. Pedobiologia, 2016, 59, 189-193.	0.5	30
69	Consumption of aquatic subsidies by soil invertebrates in coastal ecosystems. Contemporary Problems of Ecology, 2016, 9, 396-406.	0.3	8
70	Connecting taxonomy and ecology: Trophic niches of collembolans as related to taxonomic identity and life forms. Soil Biology and Biochemistry, 2016, 101, 20-31.	4.2	145
71	Changes in carbon and nitrogen isotope ratios (13C/12C and 15N/14N) in springtails during long-term storage of soil samples. Russian Journal of Ecology, 2016, 47, 572-574.	0.3	3
72	Stable isotope composition of mycophagous collembolans versus mycotrophic plants: Do soil invertebrates feed on mycorrhizal fungi?. Soil Biology and Biochemistry, 2016, 93, 115-118.	4.2	49

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73	Stable-Isotope Analysis as a Method of Taxonomical Identification of Archaeozoological Material. Archaeology, Ethnology and Anthropology of Eurasia, 2015, 43, 110-121.	0.1	9
74	Assimilation of labile carbon and particulate organic matter by tropical endogeic earthworms Pontoscolex corethrurus (Glossoscolecidae, Oligochaeta). Biology Bulletin, 2015, 42, 696-701.	0.1	8
75	Origin of carbon in organic matter in the Neva estuary. Doklady Biological Sciences, 2015, 465, 289-290.	0.2	1
76	Stable isotope composition (Î´¹³ C and Î´¹⁵ N values) of slime molds: placing bacterivorous soil protozoans in the food web context. Rapid Communications in Mass Spectrometry, 2015, 29, 1465-1472.	0.7	17
77	Sex-related variation in Î´15N values of ground beetles (Coleoptera, Carabidae): A case study. Pedobiologia, 2015, 58, 147-151.	0.5	5
78	Reproductively isolated ecotypes of killer whales Orcinus orca in the seas of the Russian Far East. Biology Bulletin, 2015, 42, 674-681.	0.1	15
79	Rapid extraction of invertebrates from tropical forest litter using modified Winkler apparatus. Journal of Tropical Ecology, 2015, 31, 191-194.	0.5	6
80	An ancient bison from the mouth of the Rauchua River (Chukotka, Russia). Quaternary Research, 2015, 84, 232-245.	1.0	29
81	Intra-body variation and ontogenetic changes in the isotopic composition (13C/12C and 15N/14N) of beetles (Coleoptera). Entomological Review, 2015, 95, 326-333.	0.1	17
82	Trophic position of microbivorous and predatory soil nematodes in a boreal forest as indicated by stable isotope analysis. Soil Biology and Biochemistry, 2015, 86, 193-200.	4.2	44
83	On the discovery of a cave lion from the Malyi Anyui River (Chukotka, Russia). Quaternary Science Reviews, 2015, 117, 135-151.	1.4	19
84	Trophic structure of ground-dwelling insects in the coastal zone of a salt lake in southern Siberia based on the data of isotopic analysis. Arid Ecosystems, 2015, 5, 222-229.	0.2	4
85	Wing morphology is linked to stable isotope composition of nitrogen and carbon in ground beetles (Coleoptera: Carabidae). European Journal of Entomology, 2015, 112, 810-817.	1.2	9
86	A Discovery of a cave lion (Panthera spelaea Goldfuss, 1810) skeleton in Russia. Doklady Biological Sciences, 2014, 455, 102-105.	0.2	2
87	Seasonal and age-related changes in the stable isotope composition (15N/14N and 13C/12C) of millipedes and collembolans in a temperate forest soil. Pedobiologia, 2014, 57, 215-222.	0.5	20
88	High Niche Overlap in the Stable Isotope Space Of Ground Beetles. Annales Zoologici Fennici, 2014, 51, 301-312.	0.2	29
89	Spatial variations in the trophic structure of soil animal communities in boreal forests of Pechora-Ilych Nature Reserve. Eurasian Soil Science, 2014, 47, 441-448.	0.5	12
90	Isotopic niche (Î´¹³Ð¡ and Î´¹⁵N values) of soil macrofauna in temperate forests. Rapid Communications in Mass Spectrometry, 2014, 28, 1303-1311.	0.7	33

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91	Trophic diversification in the evolution of predatory marine gastropods of the family Terebridae as inferred from stable isotope data. Marine Ecology - Progress Series, 2014, 497, 143-156.	0.9	18
92	Large ¹³C/¹²C and small ¹⁵N/¹⁴N isotope fractionation in an experimental detrital foodweb (litterâ€“fungiâ€“collembolans). Ecological Research, 2013, 28, 1069-1079.	0.7	41
93	The diets of humpback whales (Megaptera novaeangliae) on the shelf and oceanic feeding grounds in the western North Pacific inferred from stable isotope analysis. Marine Mammal Science, 2013, 29, E253.	0.9	8
94	The Neanderthals of Okladnikov Cave Altai: Environment and Diet Based on Isotopic Analysis*. Archaeology, Ethnology and Anthropology of Eurasia, 2013, 41, 78-88.	0.1	8
95	Soilâ€“litter nitrogen transfer and changes in Î´13C and Î´15N values in decomposing leaf litter during laboratory incubation. Pedobiologia, 2013, 56, 147-152.	0.5	14
96	The importance of mycelial connection at the soilâ€“litter interface for nutrient translocation, enzyme activity and litter decomposition. Applied Soil Ecology, 2011, 51, 35-41.	2.1	31
97	Trophic fractionation (Î”15N) in Collembola depends on nutritional status: A laboratory experiment and mini-review. Pedobiologia, 2011, 54, 101-109.	0.5	20
98	Effects of seasonal and diurnal temperature fluctuations on population dynamics of two epigeic earthworm species in forest soil. Soil Biology and Biochemistry, 2011, 43, 559-570.	4.2	40
99	Daily and seasonal dynamics of CO2 fluxes from soils under different stands of monsoon tropical forest. Eurasian Soil Science, 2011, 44, 984-990.	0.5	10
100	Isotopic signature (15N/14N and 13C/12C) confirms similarity of trophic niches of millipedes (Myriapoda,) Tj ETQq0 0 0 rgBT /Overlock	0.1	17
101	Trophic niche differentiation in millipede communities of forests of the temperate and tropical belts. Moscow University Biological Sciences Bulletin, 2011, 66, 68-70.	0.1	5
102	Termites (Isoptera) in forest ecosystems of Cat Tien National Park (Southern Vietnam). Biology Bulletin, 2010, 37, 374-381.	0.1	15
103	Stable isotope (¹³ C/¹² C and ¹⁵ N/¹⁴ N) composition of the woolly rhinoceros Coelodonta antiquitatis horn suggests seasonal changes in the diet. Rapid Communications in Mass Spectrometry, 2010, 24, 3146-3150.	0.7	21
104	Isotopic fractionation by saprotrophic microfungi: Effects of species, temperature and the age of colonies. Pedobiologia, 2010, 53, 213-217.	0.5	7
105	Particle size alters litter diversity effects on decomposition. Soil Biology and Biochemistry, 2009, 41, 176-178.	4.2	35
106	The addition of labile carbon alters litter fungal communities and decreases litter decomposition rates. Applied Soil Ecology, 2009, 42, 264-270.	2.1	73
107	Influence of Lumbricus terrestris earthworms on the structure of the yeast community of forest litter. Microbiology, 2008, 77, 107-111.	0.5	16
108	Stable isotopes of carbon and nitrogen in soil ecological studies. Biology Bulletin, 2007, 34, 395-407.	0.1	181

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109	Soil microarthropods and macrofauna in monsoon tropical forests of Cat Tien and Bi Dup-Nui Ba National Parks, southern Vietnam. Biology Bulletin, 2007, 34, 498-506.	0.1	11
110	Invasion patterns of Lumbricidae into the previously earthworm-free areas of northeastern Europe and the western Great Lakes region of North America. , 2006, , 23-34.		6
111	Invasion Patterns of Lumbricidae Into the Previously Earthworm-free Areas of Northeastern Europe and the Western Great Lakes Region of North America. Biological Invasions, 2006, 8, 1223-1234.	1.2	136
112	Long-term effects of seasonal and diurnal temperature fluctuations on carbon dioxide efflux from a forest soil. Soil Biology and Biochemistry, 2006, 38, 3387-3397.	4.2	22
113	Facilitative interactions rather than resource partitioning drive diversity-functioning relationships in laboratory fungal communities. Ecology Letters, 2005, 8, 618-625.	3.0	168
114	Carbon stable isotope fractionation and trophic transfer of fatty acids in fungal based soil food chains. Soil Biology and Biochemistry, 2005, 37, 945-953.	4.2	89
115	Arbuscular mycorrhiza and Collembola interact in affecting community composition of saprotrophic microfungi. Oecologia, 2005, 142, 636-642.	0.9	69
116	Biodiversity and Litter Decomposition in Terrestrial Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 191-218.	3.8	1,258
117	Carbon availability controls the growth of detritivores (Lumbricidae) and their effect on nitrogen mineralization. Oecologia, 2004, 138, 83-90.	0.9	114
118	The microfungal community of Lumbricus terrestris middens in a linden (Tilia cordata) forest. Pedobiologia, 2003, 47, 27-32.	0.5	15
119	Fungal and bacterial communities in Lumbricus terrestris burrow walls: a laboratory experiment. Pedobiologia, 2002, 46, 595-605.	0.5	39
120	Effects of the presence and community composition of earthworms on microbial community functioning. Oecologia, 2002, 133, 254-260.	0.9	110
121	Microflora, Protozoa and Nematoda in Lumbricus terrestris burrow walls: a laboratory experiment. Pedobiologia, 2001, 45, 46-60.	0.5	79
122	Microfungal communities in soil, litter and casts of Lumbricus terrestris L. (Lumbricidae): a laboratory experiment. Applied Soil Ecology, 2000, 14, 17-26.	2.1	84
123	Microbial biomass, biovolume and respiration in Lumbricus terrestris L. cast material of different age. Soil Biology and Biochemistry, 2000, 32, 265-275.	4.2	132
124	Microbial respiration, biomass, biovolume and nutrient status in burrow walls of Lumbricus terrestris L. (Lumbricidae). Soil Biology and Biochemistry, 1999, 31, 2039-2048.	4.2	168
125	Food-web modification in the eastern Gulf of Finland after invasion of Marenzelleria arctia (Spionidae, Polychaeta). NeoBiota, 0, 66, 75-94.	1.0	3