

Alexander Y Karatayev

List of Publications by Year in descending order

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74
papers

3,533
citations

172457

29
h-index

155660

55
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76
all docs

76
docs citations

76
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	Conservation status of freshwater mussels in Europe: state of the art and future challenges. <i>Biological Reviews</i> , 2017, 92, 572-607.	10.4	400
2	Conservation of freshwater bivalves at the global scale: Diversity, threats and research needs. <i>Hydrobiologia</i> , 2018, 810, 1-14.	2.0	241
3	Changes in Global Economies and Trade: the Potential Spread of Exotic Freshwater Bivalves. <i>Biological Invasions</i> , 2007, 9, 161-180.	2.4	202
4	Natural enemies of zebra mussels: Predators, parasites, and ecological competitors. <i>Reviews in Fisheries Science</i> , 1997, 5, 27-97.	2.1	190
5	Zebra versus quagga mussels: a review of their spread, population dynamics, and ecosystem impacts. <i>Hydrobiologia</i> , 2015, 746, 97-112.	2.0	160
6	THE INVASIVE BIVALVES DREISSENA POLYMORPHA AND LIMNOPERNA FORTUNEI: PARALLELS, CONTRASTS, POTENTIAL SPREAD AND INVASION IMPACTS. <i>Journal of Shellfish Research</i> , 2007, 26, 205-213.	0.9	155
7	Invaders are not a random selection of species. <i>Biological Invasions</i> , 2009, 11, 2009-2019.	2.4	147
8	Impacts of Zebra Mussels on Aquatic Communities and their Role as Ecosystem Engineers. , 2002, , 433-446.		143
9	Significant ecosystem-wide effects of the swiftly spreading invasive freshwater bivalve <i>Limnoperna fortunei</i> . <i>Hydrobiologia</i> , 2009, 636, 271-284.	2.0	97
10	The Impact of <i>Dreissena polymorpha</i> (Pallas) Invasion on Unionid Bivalves. <i>International Review of Hydrobiology</i> , 2000, 85, 529-541.	0.9	93
11	Twenty five years of changes in <i>Dreissena</i> spp. populations in Lake Erie. <i>Journal of Great Lakes Research</i> , 2014, 40, 550-559.	1.9	74
12	Wetland Restoration and Invasive Species: Apple snail (<i>Pomacea insularum</i>) Feeding on Native and Invasive Aquatic Plants. <i>Restoration Ecology</i> , 2009, 17, 433-440.	2.9	70
13	Endemic species: Contribution to community uniqueness, effect of habitat alteration, and conservation priorities. <i>Biological Conservation</i> , 2011, 144, 155-165.	4.1	70
14	Changes in the distribution and abundance of <i>Dreissena polymorpha</i> within lakes through time. <i>Hydrobiologia</i> , 2006, 571, 133-146.	2.0	69
15	Contrasting Rates of Spread of Two Congeners, <i>Dreissena polymorpha</i> and <i>Dreissena Rostriformis Bugensis</i> , at Different Spatial Scales. <i>Journal of Shellfish Research</i> , 2011, 30, 923-931.	0.9	69
16	Introduction, distribution, spread, and impacts of exotic freshwater gastropods in Texas. <i>Hydrobiologia</i> , 2009, 619, 181-194.	2.0	66
17	Invasive mussels induce community changes by increasing habitat complexity. <i>Hydrobiologia</i> , 2012, 685, 121-134.	2.0	62
18	A comparative examination of recent changes in nutrients and lower food web structure in Lake Michigan and Lake Huron. <i>Journal of Great Lakes Research</i> , 2018, 44, 573-589.	1.9	54

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19	GROWTH RATE AND LONGEVITY OF DREISSENA POLYMORPHA (PALLAS): A REVIEW AND RECOMMENDATIONS FOR FUTURE STUDY. <i>Journal of Shellfish Research</i> , 2006, 25, 23-32.	0.9	53
20	Long-term population dynamics of dreissenid mussels (<i>Dreissena polymorpha</i> and <i>Dreissena bugensis</i>) in Lake Erie. <i>Journal of Great Lakes Research</i> , 2010, 36, 507-517.	2.2	51
21	The benthic community of the Laurentian Great Lakes: Analysis of spatial gradients and temporal trends from 1998 to 2014. <i>Journal of Great Lakes Research</i> , 2018, 44, 600-617.	1.9	49
22	LANDSCAPE PATTERNS OF AN AQUATIC INVADER: ASSESSING DISPERSAL EXTENT FROM SPATIAL DISTRIBUTIONS. <i>Journal of Great Lakes Research</i> , 2002, 28, 749-759.		46
23	Past, current, and future of the central European corridor for aquatic invasions in Belarus. <i>Biological Invasions</i> , 2008, 10, 215-232.	2.4	45
24	Endosymbionts of <i>Dreissena polymorpha</i> (Pallas) in Belarus. <i>International Review of Hydrobiology</i> , 2000, 85, 543-559.	0.9	44
25	Differences in growth and survivorship of zebra and quagga mussels: size matters. <i>Hydrobiologia</i> , 2011, 668, 183-194.	2.0	44
26	Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae) in Texas: patterns of diversity and threats. <i>Diversity and Distributions</i> , 2011, 17, 393-407.	4.1	42
27	Biomonitoring using invasive species in a large Lake: <i>Dreissena</i> distribution maps hypoxic zones. <i>Journal of Great Lakes Research</i> , 2018, 44, 639-649.	1.9	40
28	<i>Limnoperla fortunei</i> versus <i>Dreissena polymorpha</i> : Population Densities and Benthic Community Impacts of Two Invasive Freshwater Bivalves. <i>Journal of Shellfish Research</i> , 2010, 29, 975-984.	0.9	39
29	Changes in Lake Erie benthos over the last 50 years: Historical perspectives, current status, and main drivers. <i>Journal of Great Lakes Research</i> , 2014, 40, 560-573.	1.9	38
30	Title is missing!. <i>Biological Invasions</i> , 2003, 5, 213-221.	2.4	36
31	Contrasting Distribution and Impacts of Two Freshwater Exotic Suspension Feeders, <i>Dreissena polymorpha</i> and <i>Corbicula fluminea</i> . <i>Journal of Great Lakes Research</i> , 2005, 31, 239-262.		35
32	Competitive Replacement of Invasive Congeners May Relax Impact on Native Species: Interactions among Zebra, Quagga, and Native Unionid Mussels. <i>PLoS ONE</i> , 2014, 9, e114926.	2.5	33
33	Community analysis of Belarusian lakes: relationship of species diversity to morphology, hydrology and land use. <i>Journal of Plankton Research</i> , 2005, 27, 1045-1053.	1.8	28
34	Predicting the spread of aquatic invaders: insight from 200 years of invasion by zebra mussels. <i>Ecological Applications</i> , 2015, 25, 430-440.	3.8	27
35	Lake morphometry determines <i>Dreissena</i> invasion dynamics. <i>Biological Invasions</i> , 2021, 23, 2489.	2.4	27
36	BIODIVERSITY RESEARCH: Parasites of exotic species in invaded areas: does lower diversity mean lower epizootic impact?. <i>Diversity and Distributions</i> , 2010, 16, 798-803.	4.1	26

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37	Updated invasion risk assessment for Ponto-Caspian fishes to the Great Lakes. <i>Journal of Great Lakes Research</i> , 2014, 40, 360-369.	1.9	26
38	Seasonal dynamics of endosymbiotic ciliates and nematodes in <i>Dreissena polymorpha</i> . <i>Journal of Invertebrate Pathology</i> , 2003, 83, 73-82.	3.2	24
39	Food depletion regulates the demography of invasive dreissenid mussels in a stratified lake. <i>Limnology and Oceanography</i> , 2018, 63, 2065-2079.	3.1	23
40	Long-term changes in unionid assemblages in the Rio Grande, one of the World's top 10 rivers at risk. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 206-219.	2.0	21
41	Revisiting the North American freshwater mussel genus <i>Quadrula</i> sensu lato (Bivalvia). <i>Journal of Great Lakes Research</i> , 2017, 43, 17-21.	1.7	21
42	<i>Dreissena</i> in Lake Ontario 30 years post-invasion. <i>Journal of Great Lakes Research</i> , 2022, 48, 264-273.	1.9	21
43	Field and laboratory studies of <i>Ophryoglena</i> sp. (Ciliata: Ophryoglenidae) infection in zebra mussels, <i>Dreissena polymorpha</i> (Bivalvia: Dreissenidae). <i>Journal of Invertebrate Pathology</i> , 2002, 79, 80-85.	3.2	20
44	The effect of invasive macrophytes and water level fluctuations on unionids in Texas impoundments. <i>Hydrobiologia</i> , 2007, 586, 291-302.	2.0	20
45	Development of new indices of Great Lakes water quality based on profundal benthic communities. <i>Journal of Great Lakes Research</i> , 2018, 44, 618-628.	1.9	20
46	Traits and impacts of introduced species: a quantitative review of meta-analyses. <i>Hydrobiologia</i> , 2021, 848, 2225-2258.	2.0	18
47	Lakewide dominance does not predict the potential for spread of dreissenids. <i>Journal of Great Lakes Research</i> , 2013, 39, 622-629.	1.9	17
48	Benthic video image analysis facilitates monitoring of <i>Dreissena</i> populations across spatial scales. <i>Journal of Great Lakes Research</i> , 2018, 44, 629-638.	1.9	17
49	Life after <i>Dreissena</i> : The decline of exotic suspension feeder may have significant impacts on lake ecosystems. <i>Journal of Great Lakes Research</i> , 2018, 44, 650-659.	1.9	16
50	Misleading estimates of economic impacts of biological invasions: Including the costs but not the benefits. <i>Ambio</i> , 2022, 51, 1786-1799.	5.5	16
51	Distribution, genetic analysis and conservation priorities for rare Texas freshwater molluscs in the genera <i>Fusconaia</i> and <i>Pleurobema</i> (Bivalvia: Unionidae). <i>Aquatic Biosystems</i> , 2012, 8, 12.	1.8	15
52	Parallels and Contrasts Between <i>Limnoperna fortunei</i> and Species of <i>Dreissena</i> . , 2015, , 261-297.		15
53	Change in a lake benthic community over a century: evidence for alternative community states. <i>Hydrobiologia</i> , 2013, 700, 287-300.	2.0	14
54	Eutrophication and <i>Dreissena</i> Invasion as Drivers of Biodiversity: A Century of Change in the Mollusc Community of Oneida Lake. <i>PLoS ONE</i> , 2014, 9, e101388.	2.5	14

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55	Functional Changes in Benthic Freshwater Communities after <i>Dreissena polymorpha</i> (Pallas) Invasion and Consequences for Filtration. , 2005, , 263-275.		14
56	Reconstructing historical range and population size of an endangered mollusc: long-term decline of <i>Popenaias popeii</i> in the Rio Grande, Texas. <i>Hydrobiologia</i> , 2018, 810, 333-349.	2.0	13
57	Long-term trends of Lake Michigan benthos with emphasis on the southern basin. <i>Journal of Great Lakes Research</i> , 2020, 46, 528-537.	1.9	13
58	Community analysis of Belarusian lakes: correlations of species diversity with hydrochemistry. <i>Hydrobiologia</i> , 2008, 605, 99-112.	2.0	12
59	U.S. EPA Great Lakes National Program Office monitoring of the Laurentian Great Lakes: Insights from 40 years of data collection. <i>Journal of Great Lakes Research</i> , 2018, 44, 535-538.	1.9	11
60	Six decades of Lake Ontario ecological history according to benthos. <i>Journal of Great Lakes Research</i> , 2022, 48, 274-288.	1.9	10
61	Rapid assessment of <i>Dreissena</i> population in Lake Erie using underwater videography. <i>Hydrobiologia</i> , 2021, 848, 2421-2436.	2.0	9
62	Early changes in the benthic community of a eutrophic lake following zebra mussel (<i>Dreissena</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.2	8
63	Can introduced species replace lost biodiversity? A test with freshwater molluscs. <i>Hydrobiologia</i> , 2018, 810, 45-56.	2.0	6
64	Changes in community composition of riverine mussels after a severe drought depend on local conditions: a comparative study in four tributaries of a subtropical river. <i>Hydrobiologia</i> , 2021, 848, 3015-3029.	2.0	6
65	Exploring Great Lakes benthoscapes: can we visually delineate hypoxic habitats?. <i>Hydrobiologia</i> , 0, , 1.	2.0	6
66	Parasites of Aquatic Exotic Invertebrates: Identification of Potential Risks Posed to the Great Lakes. Human and Ecological Risk Assessment (HERA), 2014, 20, 743-763.	3.4	5
67	Non-native <i>Dreissena</i> associated with increased native benthic community abundance with greater lake depth. <i>Journal of Great Lakes Research</i> , 2022, 48, 734-745.	1.9	5
68	Molecular phylogeny, biogeography, and conservation status of the Texas-endemic freshwater mussel <i>Lampsilis bracteata</i> (<i>Bivalvia</i>, <i>Unionidae</i>) . <i>Zootaxa</i> , 2019, 4652, 442-456.	0.5	2
69	Advection exacerbates population decline from habitat loss: maintaining threatened taxa while restoring natural river flow regimes. <i>Oecologia</i> , 2020, 193, 773-785.	2.0	2
70	Response to comment on "Updated Invasion Risk Assessment for Ponto-Caspian Fishes to the Great Lakes". <i>Journal of Great Lakes Research</i> , 2015, 41, 1176-1177.	1.9	1
71	Complete mitochondrial genomes of the freshwater mussels <i>Amblema plicata</i> (Say, 1817), <i>Pleurobema oviforme</i> (Conrad, 1834), and <i>Popenaias popeii</i> (Lea, 1857) (<i>Bivalvia</i> : <i>Unionidae</i> : <i>Ambleminae</i>). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2959-2961.	0.4	1
72	The Impact of <i>Dreissena polymorpha</i> (Pallas) Invasion on Unionid Bivalves. <i>International Review of Hydrobiology</i> , 2000, 85, 529-541.	0.9	1

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73	Endosymbionts of <i>Dreissena polymorpha</i> (Pallas) in Belarus. <i>International Review of Hydrobiology</i> , 2000, 85, 543-559.	0.9	1
74	Foreword: Stressors and successes, Lake Ontario CSML intensive year 2018. <i>Journal of Great Lakes Research</i> , 2022, 48, 261-263.	1.9	1