Boris R Krasnov

List of Publications by Year in Descending Order

273 papers	7,202 citations	45 h-index	70 g-index
288 ext. papers	8,053 ext. citations	3.4 avg, IF	5.95 L-index

#	Paper	IF	Citations
273	Temporal variation of metacommunity structure in arthropod ectoparasites harboured by small mammals: the effects of scale and climatic fluctuations.. *Parasitology Research*, **2022**, 121, 537	2.4	0
272	Dark host specificity in two ectoparasite taxa: repeatability, parasite traits, and environmental effects.. *Parasitology Research*, **2022**, 121, 851	2.4	0
271	Similarity in ixodid tick communities harboured by wildlife and livestock in the Albany Thicket Biome of South Africa.. *Parasitology*, **2022**, 1-32	2.7	
270	Host phylogeny and ecology, but not host physiology, are the main drivers of (dis)similarity between the host spectra of fleas: application of a novel ordination approach to regional assemblages from four continents.. *Parasitology*, **2022**, 149, 124-137	2.7	0
269	Particle size reduction along the digestive tract of fat sand rats (Psammomys obesus) fed four chenopods. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2021**, 191, 831-841	2.2	1
268	Adaptation to a novel host and performance trade-off in host-generalist and host-specific insect ectoparasites. *Insect Science*, **2021**,	3.6	1
267	Parasite counts or parasite incidences? Testing differences with four analyses of infracommunity modelling for seven parasite-host associations. *Parasitology Research*, **2021**, 120, 2569-2584	2.4	3
266	Effects of ectoparasite infestation during pregnancy on physiological stress and reproductive output in a rodent-flea system. *International Journal for Parasitology*, **2021**, 51, 659-666	4.3	1
265	Colonization of a novel host by fleas: changes in egg production and egg size. *Parasitology Research* , **2021**, 120, 451-459	2.4	1
264	Spatial and temporal variation of compositional, functional, and phylogenetic diversity in ectoparasite infracommunities harboured by small mammals. *Parasitology*, **2021**, 148, 685-695	2.7	
263	Species associations in arthropod ectoparasite infracommunities are spatially and temporally variable and affected by environmental factors. *Ecological Entomology*, **2021**, 46, 1254	2.1	2
262	Gastrointestinal nematodes in two galliform birds from South Africa: patterns associated with host sex and age. *Parasitology Research*, **2021**, 120, 3229-3244	2.4	1
261	Dark diversity of flea assemblages of small mammalian hosts: effects of environment, host traits and host phylogeny. *International Journal for Parasitology*, **2021**,	4.3	1
260	Dispersal-based versus niche-based processes as drivers of flea species composition on small mammalian hosts: inferences from species occurrences at large and small scales. *Oecologia*, **2021**, 197, 471-484	2.9	1
259	Functional and phylogenetic uniqueness of helminth and flea assemblages of two South African rodents. *International Journal for Parasitology*, **2021**, 51, 865-876	4.3	0
258	Environmental, anthropogenic, and spatial factors affecting species composition and species associations in helminth communities of water frogs (Pelophylax esculentus complex) in Latvia. *Parasitology Research*, **2021**, 120, 3461-3474	2.4	2
257	Spatial and temporal turnover of parasite species and parasite-host interactions: a case study with fleas and gamasid mites parasitic on small mammals. *Parasitology Research*, **2020**, 119, 2093-2104	2.4	0

256	Species co-occurrences in ectoparasite infracommunities: Accounting for confounding factors associated with space, time, and host community composition. *Ecological Entomology*, **2020**, 45, 1158-1171	2.1	3
255	Drivers of compositional turnover are related to species' commonness in flea assemblages from four biogeographic realms: zeta diversity and multi-site generalised dissimilarity modelling. *International Journal for Parasitology*, **2020**, 50, 331-344	4.3	3
254	Feeding performance on a novel host: no adaptation over generations and differential patterns in two flea species. *Parasitology*, **2020**, 147, 721-728	2.7	2
253	Multi-site generalized dissimilarity modelling reveals drivers of species turnover in ectoparasite assemblages of small mammals across the northern and central Palaearctic. *Global Ecology and Biogeography*, **2020**, 29, 1579-1594	6.1	5
252	Sex differences in testosterone reactivity and sensitivity in a non-model gerbil. *General and Comparative Endocrinology*, **2020**, 291, 113418	3	0
251	Patterns of zeta diversity in ectoparasite communities harboured by small mammals at three hierarchical scales: taxon-invariance and scale-dependence. *Oecologia*, **2020**, 192, 1057-1071	2.9	2
250	Species associations and trait dissimilarity in communities of ectoparasitic arthropods harboured by small mammals at three hierarchical scales. *Ecological Entomology*, **2020**, 45, 321-332	2.1	4
249	Contrasting responses of beta diversity components to environmental and host-associated factors in insect ectoparasites. *Ecological Entomology*, **2020**, 45, 594-605	2.1	1
248	A global database for metacommunity ecology, integrating species, traits, environment and space. *Scientific Data*, **2020**, 7, 6	8.2	10
247	Compositional turnover in ecto- and endoparasite assemblages of an African bat, (Chiroptera, Miniopteridae): effects of hierarchical scale and host sex. *Parasitology*, **2020**, 147, 1728-1742	2.7	1
246	Harrison's rule scales up to entire parasite assemblages but is determined by environmental factors. *Journal of Animal Ecology*, **2020**, 89, 2888-2895	4.7	2
245	Intraspecific variation of body size in fleas: effects of host sex and flea phenology. *Parasitology Research*, **2020**, 119, 3211-3220	2.4	
244	Flea infestation, social contact, and stress in a gregarious rodent species: minimizing the potential parasitic costs of group-living. *Parasitology*, **2020**, 147, 78-86	2.7	1
243	The effects of environment, hosts and space on compositional, phylogenetic and functional beta-diversity in two taxa of arthropod ectoparasites. *Parasitology Research*, **2019**, 118, 2107-2120	2.4	10
242	Gastrointestinal helminths from the common warthog, (Gmelin) (Suidae), in KwaZulu-Natal Province, South Africa, with comments on helminths of Suidae and Tayassuidae worldwide. *Parasitology*, **2019**, 146, 1541-1549	2.7	0
241	Reproductive performance in generalist haematophagous ectoparasites: maternal environment, rearing conditions or both?. *Parasitology Research*, **2019**, 118, 2087-2096	2.4	3
240	Effects of maternal and grandmaternal flea infestation on offspring quality and quantity in a desert rodent: evidence for parasite-mediated transgenerational phenotypic plasticity. *International Journal for Parasitology*, **2019**, 49, 481-488	4.3	2
239	Do the pattern and strength of species associations in ectoparasite communities conform to biogeographic rules?. *Parasitology Research*, **2019**, 118, 1113-1125	2.4	8

238	Beta diversity of gastrointestinal helminths in two closely related South African rodents: species and site contributions. *Parasitology Research*, **2019**, 118, 2863-2875	2.4	2
237	Energy requirements, length of digestive tract compartments and body mass in six gerbilline rodents of the Negev Desert. *Zoology*, **2019**, 137, 125715	1.7	3
236	Species and site contributions to β-diversity in fleas parasitic on the Palearctic small mammals: ecology, geography and host species composition matter the most. *Parasitology*, **2019**, 146, 653-661	2.7	7
235	Phylogenetic and compositional diversity are governed by different rules: a study of fleas parasitic on small mammals in four biogeographic realms. *Ecography*, **2019**, 42, 1000-1011	6.5	10
234	Nestedness in assemblages of helminth parasites of bats: a function of geography, environment, or host nestedness?. *Parasitology Research*, **2018**, 117, 1621-1630	2.4	1
233	Phylogenetic heritability of geographic range size in haematophagous ectoparasites: time of divergence and variation among continents. *Parasitology*, **2018**, 145, 1623-1632	2.7	1
232	Sexual size dimorphism and sex ratio in arthropod ectoparasites: contrasting patterns at different hierarchical scales. *International Journal for Parasitology*, **2018**, 48, 969-978	4.3	9
231	Body size and ecological traits in fleas parasitic on small mammals in the Palearctic: larger species attain higher abundance. *Oecologia*, **2018**, 188, 559-569	2.9	4
230	The latitudinal, but not the longitudinal, geographic range positions of haematophagous ectoparasites demonstrate historical signatures. *International Journal for Parasitology*, **2018**, 48, 743-749	4.3	2
229	Body size distribution in flea communities harboured by Siberian small mammals as affected by host species, host sex and scale: scale matters the most. *Evolutionary Ecology*, **2018**, 32, 643-662	1.8	9
228	Can we predict the success of a parasite to colonise an invasive host?. *Parasitology Research*, **2018**, 117, 2305-2314	2.4	
227	Biogeography of parasite abundance: latitudinal gradient and distance decay of similarity in the abundance of fleas and mites, parasitic on small mammals in the Palearctic, at three spatial scales. *International Journal for Parasitology*, **2018**, 48, 857-866	4.3	12
226	Morphological asymmetry and habitat quality: using fleas and their rodent hosts as a novel experimental system. *Journal of Experimental Biology*, **2017**, 220, 1307-1312	3	1
225	Intra- and interspecific similarity in species composition of helminth communities in two closely-related rodents from South Africa. *Parasitology*, **2017**, 144, 1211-1220	2.7	10
224	Beta-diversity of ectoparasites at two spatial scales: nested hierarchy, geography and habitat type. *Oecologia*, **2017**, 184, 507-520	2.9	5
223	Parasite beta diversity, host beta diversity and environment: application of two approaches to reveal patterns of flea species turnover in Mongolia. *Journal of Biogeography*, **2017**, 44, 1880-1890	4.1	24
222	Effects of parasitism on host reproductive investment in a rodent-flea system: host litter size matters. *Parasitology Research*, **2017**, 116, 703-710	2.4	3
221	Revisiting the role of dissimilarity of host communities in driving dissimilarity of ectoparasite assemblages: non-linear vs linear approach. *Parasitology*, **2017**, 144, 1365-1374	2.7	5

220	Parasite performance and host alternation: is there a negative effect in host-specific and host-opportunistic parasites?. *Parasitology*, **2017**, 144, 1107-1116	2.7	2
219	Helminth parasitism in two closely related South African rodents: abundance, prevalence, species richness and impinging factors. *Parasitology Research*, **2017**, 116, 1395-1409	2.4	12
218	The effect of water contamination and host-related factors on ectoparasite load in an insectivorous bat. *Parasitology Research*, **2017**, 116, 2517-2526	2.4	4
217	Asymmetric disease dynamics in multihost interconnected networks. *Journal of Theoretical Biology*, **2017**, 430, 237-244	2.3	7
216	Relationships among different facets of host specificity in three taxa of haematophagous ectoparasites. *International Journal for Parasitology*, **2017**, 47, 961-969	4.3	
215	Community structure of helminth parasites in two closely related South African rodents differing in sociality and spatial behaviour. *Parasitology Research*, **2017**, 116, 2299-2312	2.4	7
214	Time budget, oxygen consumption and body mass responses to parasites in juvenile and adult wild rodents. *Parasites and Vectors*, **2016**, 9, 120	4	7
213	Experimental evidence of negative interspecific interactions among imago fleas: flea and host identities matter. *Parasitology Research*, **2016**, 115, 937-47	2.4	10
212	Pentastome assemblages of the Nile crocodile, Crocodylus niloticus Laurenti (Reptilia: Crocodylidae), in the Kruger National Park, South Africa. *Folia Parasitologica*, **2016**, 63,	1.8	2
211	Community structure of fleas within and among populations of three closely related rodent hosts: nestedness and beta-diversity. *Parasitology*, **2016**, 143, 1268-78	2.7	9
210	Reproductive consequences of female size in haematophagous ectoparasites. *Journal of Experimental Biology*, **2016**, 219, 2368-76	3	10
209	Effects of parasite pressure on parasite mortality and reproductive output in a rodent-flea system: inferring host defense trade-offs. *Parasitology Research*, **2016**, 115, 3337-44	2.4	2
208	Szidat's rule re-tested: relationships between flea and host phylogenetic clade ranks in four biogeographic realms. *Parasitology*, **2016**, 143, 723-31	2.7	3
207	Trait-based and phylogenetic associations between parasites and their hosts: a case study with small mammals and fleas in the Palearctic. *Oikos*, **2016**, 125, 29-38	4	30
206	Intraspecific variation of body size in a gamasid mite Laelaps clethrionomydis: environment, geography and host dependence. *Parasitology Research*, **2015**, 114, 3767-74	2.4	6
205	Environment-related and host-related factors affecting the occurrence of lice on rodents in Central Europe. *Parasitology*, **2015**, 142, 938-47	2.7	10
204	Habitat fragmentation alters the properties of a host-parasite network: rodents and their helminths in South-East Asia. *Journal of Animal Ecology*, **2015**, 84, 1253-63	4.7	39
203	Assembly rules of ectoparasite communities across scales: combining patterns of abiotic factors, host composition, geographic space, phylogeny and traits. *Ecography*, **2015**, 38, 184-197	6.5	60

202	Fitness responses to co-infestation in fleas exploiting rodent hosts. *Parasitology*, **2015**, 142, 1535-42	2.7	5
201	Infracommunity dynamics of chiggers (Trombiculidae) parasitic on a rodent. *Parasitology*, **2015**, 142, 1605-11	2.7	9
200	Flea fitness is reduced by high fractional concentrations of CO_2 that simulate levels found in their hosts' burrows. *Journal of Experimental Biology*, **2015**, 218, 3596-603	3	3
199	Historical biogeography of fleas: the former Bering Land Bridge and phylogenetic dissimilarity between the Nearctic and Palearctic assemblages. *Parasitology Research*, **2015**, 114, 1677-86	2.4	9
198	Novel evidence suggests that a 'Rickettsia felis-like' organism is an endosymbiont of the desert flea, Xenopsylla ramesis. *Molecular Ecology*, **2015**, 24, 1364-73	5.7	18
197	Bartonella infection in rodents and their flea ectoparasites: an overview. *Vector-Borne and Zoonotic Diseases*, **2015**, 15, 27-39	2.4	87
196	Potential parasite transmission in multi-host networks based on parasite sharing. *PLoS ONE*, **2015**, 10, e0117909	3.7	45
195	Ectoparasitism and stress hormones: strategy of host exploitation, common host-parasite history and energetics matter. *Journal of Animal Ecology*, **2014**, 83, 1113-23	4.7	31
194	Host-parasite network structure is associated with community-level immunogenetic diversity. *Nature Communications*, **2014**, 5, 5172	17.4	34
193	Variable effects of host characteristics on species richness of flea infracommunities in rodents from three continents. *Parasitology Research*, **2014**, 113, 2777-88	2.4	21
192	Age at weaning, immunocompetence and ectoparasite performance in a precocial desert rodent. *Journal of Experimental Biology*, **2014**, 217, 3078-84	3	3
191	Co-occurrence and phylogenetic distance in communities of mammalian ectoparasites: limiting similarity versus environmental filtering. *Oikos*, **2014**, 123, 63-70	4	27
190	Phylogenetic structure of host spectra in Palaearctic fleas: stability versus spatial variation in widespread, generalist species. *Parasitology*, **2014**, 141, 181-91	2.7	3
189	Host reproductive status and reproductive performance of a parasite: offspring quality and trade-offs in a flea parasitic on a rodent. *Parasitology*, **2014**, 141, 914-24	2.7	2
188	Ectoparasite performance when feeding on reproducing mammalian females: an unexpected decrease when on pregnant hosts. *Journal of Experimental Biology*, **2014**, 217, 1058-64	3	5
187	A tale of two phylogenies: comparative analyses of ecological interactions. *American Naturalist*, **2014**, 183, 174-87	3.7	69
186	A trade-off between quantity and quality of offspring in haematophagous ectoparasites: the effect of the level of specialization. *Journal of Animal Ecology*, **2014**, 83, 397-405	4.7	20
185	Effects of sewage-water contamination on the immune response of a desert bat. *Mammalian Biology*, **2014**, 79, 183-188	1.6	14

184	Patterns of diversity and abundance of fleas and mites in the Neotropics: host-related, parasite-related and environment-related factors. *Medical and Veterinary Entomology*, **2013**, 27, 49-58	2.4	23
183	Desert gerbils affect bacterial composition of soil. *Microbial Ecology*, **2013**, 66, 940-9	4.4	11
182	Spatial variation in the phylogenetic structure of flea assemblages across geographic ranges of small mammalian hosts in the Palearctic. *International Journal for Parasitology*, **2013**, 43, 763-70	4.3	5
181	Sex-biased parasitism is not universal: evidence from rodent-flea associations from three biomes. *Oecologia*, **2013**, 173, 1009-22	2.9	48
180	Body size and coexistence in gamasid mites parasitic on small mammals: null model analyses at three hierarchical scales. *Ecography*, **2013**, 36, 508-517	6.5	9
179	Temporal dynamics of direct reciprocal and indirect effects in a host-parasite network. *Journal of Animal Ecology*, **2013**, 82, 987-96	4.7	17
178	Ecological correlates of body size in gamasid mites parasitic on small mammals: abundance and niche breadth. *Ecography*, **2013**, 36, 1042-1050	6.5	13
177	Effects of Bartonella spp. on flea feeding and reproductive performance. *Applied and Environmental Microbiology*, **2013**, 79, 3438-43	4.8	14
176	Reproductive consequences of host age in a desert flea. *Parasitology*, **2013**, 140, 461-70	2.7	4
175	Transmission dynamics of Bartonella sp. strain OE 1-1 in Sundevall's jirds (Meriones crassus). *Applied and Environmental Microbiology*, **2013**, 79, 1258-64	4.8	22
174	Vertical nontransovarial transmission of Bartonella in fleas. *Molecular Ecology*, **2013**, 22, 4747-52	5.7	16
173	Energy expenditure for egg production in arthropod ectoparasites: the effect of host species. *Parasitology*, **2013**, 140, 1070-7	2.7	6
172	Phylogeny determines the role of helminth parasites in intertidal food webs. *Journal of Animal Ecology*, **2013**, 82, 1265-75	4.7	30
171	Use it or lose it: reproductive implications of ecological specialization in a haematophagous ectoparasite. *Journal of Evolutionary Biology*, **2012**, 25, 1140-8	2.3	14
170	Ectoparasite fitness in auxiliary hosts: phylogenetic distance from a principal host matters. *Journal of Evolutionary Biology*, **2012**, 25, 2005-2013	2.3	30
169	Latitudinal mismatches between the components of mammal-flea interaction networks. *Global Ecology and Biogeography*, **2012**, 21, 725-731	6.1	17
168	Gender-biased parasitism in small mammals: patterns, mechanisms, consequences. *Mammalia*, **2012**, 76, 1-13	1	62
167	Effects of anthropogenic disturbance and climate on patterns of bat fly parasitism. *PLoS ONE*, **2012**, 7, e41487	3.7	41

166	Is there sex-biased resistance and tolerance in Mediterranean wood mouse (Apodemus sylvaticus) populations facing multiple helminth infections?. *Oecologia*, **2012**, 170, 123-35	2.9	27
165	Digesting blood of an auxiliary host in fleas: effect of phylogenetic distance from a principal host. *Journal of Experimental Biology*, **2012**, 215, 1259-65	3	9
164	Effects of host diet and thermal state on feeding performance of the flea Xenopsylla ramesis. *Journal of Experimental Biology*, **2012**, 215, 1435-41	3	6
163	Feeding performance of fleas on different host species: is phylogenetic distance between hosts important?. *Parasitology*, **2012**, 139, 60-8	2.7	10
162	Phylogenetic signal in module composition and species connectivity in compartmentalized host-parasite networks. *American Naturalist*, **2012**, 179, 501-11	3.7	99
161	Compositional and phylogenetic dissimilarity of host communities drives dissimilarity of ectoparasite assemblages: geographical variation and scale-dependence. *Parasitology*, **2012**, 139, 338-47	2.7	20
160	Host body microcosm and ectoparasite infracommunities: arthropod ectoparasites are not spatially segregated. *Parasitology*, **2012**, 139, 1739-48	2.7	15
159	The comparative ecology and biogeography of parasites. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2379-90	5.8	66
158	The effect of host age on feeding performance of fleas. *Parasitology*, **2011**, 138, 1154-63	2.7	7
157	An attempt to use ectoparasites as tags for habitat occupancy by small mammalian hosts in central Europe: effects of host gender, parasite taxon and season. *Parasitology*, **2011**, 138, 609-18	2.7	2
156	Driven to distraction: detecting the hidden costs of flea parasitism through foraging behaviour in gerbils. *Ecology Letters*, **2011**, 14, 47-51	10	35
155	Investigation of Bartonella acquisition and transmission in Xenopsylla ramesis fleas (Siphonaptera: Pulicidae). *Molecular Ecology*, **2011**, 20, 2864-70	5.7	38
154	Scale-dependence of phylogenetic signal in ecological traits of ectoparasites. *Ecography*, **2011**, 34, 114-122	6.3	48
153	Aggregative structure is the rule in communities of fleas: null model analysis. *Ecography*, **2011**, 34, 751-761	6.3	26
152	Nestedness and β-diversity in ectoparasite assemblages of small mammalian hosts: effects of parasite affinity, host biology and scale. *Oikos*, **2011**, 120, 630-639	4	26
151	Host specificity in phylogenetic and geographic space. *Trends in Parasitology*, **2011**, 27, 355-61	6.4	212
150	Beta-specificity: the turnover of host species in space and another way to measure host specificity. *International Journal for Parasitology*, **2011**, 41, 33-41	4.3	36
149	Discrimination of host sex by a haematophagous ectoparasite. *Animal Behaviour*, **2011**, 81, 275-281	2.8	16

148	Does investment into "expensive" tissue compromise anti-parasitic defence? Testes size, brain size and parasite diversity in rodent hosts. *Oecologia*, **2011**, 165, 7-16	2.9	18
147	Male hosts drive infracommunity structure of ectoparasites. *Oecologia*, **2011**, 166, 1099-110	2.9	20
146	Flea infestation does not cause a long-term increase in energy metabolism in Gerbillus nanus. *Journal of Experimental Biology*, **2011**, 214, 3968-71	3	2
145	Co-occurrence of ectoparasites on rodent hosts: null model analyses of data from three continents. *Oikos*, **2010**, 119, 120-128	4	44
144	Determinants of ectoparasite assemblage structure on rodent hosts from South American marshlands: the effect of host species, locality and season. *Medical and Veterinary Entomology*, **2010**, 24, 284-92	2.4	22
143	Nestedness versus modularity in ecological networks: two sides of the same coin?. *Journal of Animal Ecology*, **2010**, 79, 811-7	4.7	253
142	Deconstructing spatial patterns in species composition of ectoparasite communities: the relative contribution of host composition, environmental variables and geography. *Global Ecology and Biogeography*, **2010**, 19, 515	6.1	24
141	Bartonella genotypes in fleas (insecta: siphonaptera) collected from rodents in the negev desert, Israel. *Applied and Environmental Microbiology*, **2010**, 76, 6864-9	4.8	32
140	Host gender and offspring quality in a flea parasitic on a rodent. *Journal of Experimental Biology*, **2010**, 213, 3299-304	3	30
139	Competition, facilitation or mediation via host? Patterns of infestation of small European mammals by two taxa of haematophagous arthropods. *Ecological Entomology*, **2010**, 35, 37-44	2.1	10
138	Parasite-specific variation and the extent of male-biased parasitism; an example with a South African rodent and ectoparasitic arthropods. *Parasitology*, **2010**, 137, 651-60	2.7	32
137	Long-term study of population dynamics and habitat selection of rodents in the Negev Desert. *Journal of Mammalogy*, **2010**, 91, 776-786	1.8	29
136	Spatial variation in gender-biased parasitism: host-related, parasite-related and environment-related effects. *Parasitology*, **2010**, 137, 1527-36	2.7	19
135	Prediction of prevalence from mean abundance via a simple epidemiological model in mesostigmate mites from two geographical regions. *Parasitology*, **2010**, 137, 1227-37	2.7	3
134	The effect of larval density on pre-imaginal development in two species of desert fleas. *Parasitology*, **2010**, 137, 1925-35	2.7	7
133	Similarity in ectoparasite faunas of Palaearctic rodents as a function of host phylogenetic, geographic or environmental distances: which matters the most?. *International Journal for Parasitology*, **2010**, 40, 807-17	4.3	59
132	Infestation experience of a rodent host and offspring viability of fleas: variation among host-parasite associations. *Journal of Experimental Zoology*, **2010**, 313, 680-9		7
131	Do fleas affect energy expenditure of their free-living hosts?. *PLoS ONE*, **2010**, 5, e13686	3.7	15

130	Searching for generality in the patterns of parasite abundance and distribution: ectoparasites of a South African rodent, Rhabdomys pumilio. *International Journal for Parasitology*, **2009**, 39, 781-8	4.3	21
129	Does acquired resistance of rodent hosts affect metabolic rate of fleas?. *Journal of Experimental Zoology*, **2009**, 311, 389-98		2
128	Effect of host gender on blood digestion in fleas: mediating role of environment. *Parasitology Research*, **2009**, 105, 1667-73	2.4	24
127	Inferring associations among parasitic gamasid mites from census data. *Oecologia*, **2009**, 160, 175-85	2.9	11
126	Stability in abundance and niche breadth of gamasid mites across environmental conditions, parasite identity and host pools. *Evolutionary Ecology*, **2009**, 23, 329-345	1.8	25
125	Is the feeding and reproductive performance of the flea, Xenopsylla ramesis, affected by the gender of its rodent host, Meriones crassus?. *Journal of Experimental Biology*, **2009**, 212, 1429-35	3	34
124	Are local plague endemicity and ecological characteristics of vectors and reservoirs related? A case study in north-east Tanzania. *Environmental Epigenetics*, **2009**, 55, 200-211	2.4	13
123	Scale-invariance of niche breadth in fleas parasitic on small mammals. *Ecography*, **2008**, 31, 630-635	6.5	16
122	Geographic patterns of diversification: an example with ectoparasitic insects. *Biological Journal of the Linnean Society*, **2008**, 95, 807-814	1.9	1
121	Effects of parasite specificity and previous infestation of hosts on the feeding and reproductive success of rodent-infesting fleas. *Functional Ecology*, **2008**, 22, 530-536	5.6	18
120	Evidence for a negative fitness-density relationship between parent density and offspring quality for two Xenopsylla spp. parasitic on desert mammals. *Medical and Veterinary Entomology*, **2008**, 22, 156-66	2.4	4
119	Latitudinal gradients in niche breadth: empirical evidence from haematophagous ectoparasites. *Journal of Biogeography*, **2008**, 35, 592-601	4.1	40
118	Geographical patterns of abundance: testing expectations of the □bundance optimum□model in two taxa of ectoparasitic arthropods. *Journal of Biogeography*, **2008**, 35, 2187-2194	4.1	8
117	The morphology of islets of Langerhans is only mildly affected by the lack of Pdx-1 in the pancreas of adult Meriones jirds. *General and Comparative Endocrinology*, **2008**, 159, 241-9	3	9
116	Effects of food abundance, age, and flea infestation on the body condition and immunological variables of a rodent host, and their consequences for flea survival. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2008**, 150, 66-74	2.6	15
115	Interaction frequency across the geographical range as a determinant of host specialisation in generalist fleas. *International Journal for Parasitology*, **2008**, 38, 989-97	4.3	6
114	Why apply ecological laws to epidemiology?. *Trends in Parasitology*, **2008**, 24, 304-9	6.4	41
113	Connectance and parasite diet breadth in flea-mammal webs. *Ecography*, **2008**, 31, 16-20	6.5	15

112	Programmed versus stimulus-driven antiparasitic grooming in a desert rodent. *Behavioral Ecology*, **2008**, 19, 929-935	2.3	18
111	Sex ratio in flea infrapopulations: number of fleas, host gender and host age do not have an effect. *Parasitology*, **2008**, 135, 1133-41	2.7	8
110	Searching for general patterns in parasite ecology: host identity versus environmental influence on gamasid mite assemblages in small mammals. *Parasitology*, **2008**, 135, 229-42	2.7	36
109	High intervality explained by phylogenetic constraints in host-parasite webs. *Ecology*, **2008**, 89, 2043-51	4.6	24
108	How are the host spectra of hematophagous parasites shaped over evolutionary time? Random choice vs selection of a phylogenetic lineage. *Parasitology Research*, **2008**, 102, 1157-64	2.4	6
107	Functional and Evolutionary Ecology of Fleas: A Model for Ecological Parasitology **2008**,		180
106	Species abundance and asymmetric interaction strength in ecological networks. *Oikos*, **2007**, 116, 1120-1127	4	391
105	Benefits, Costs and Constraints of Anti-Parasitic Grooming in Adult and Juvenile Rodents. *Ethology*, **2007**, 113, 394-402	1.7	57
104	Geographical variation in the bottom-up control of diversity: fleas and their small mammalian hosts. *Global Ecology and Biogeography*, **2007**, 16, 179-186	6.1	31
103	Decay of similarity of gamasid mite assemblages parasitic on Palaearctic small mammals: geographic distance, host-species composition or environment. *Journal of Biogeography*, **2007**, 34, 1691-1700	4.1	60
102	Geographical range size and host specificity in ectoparasites: a case study with Amphipsylla fleas and rodent hosts. *Journal of Biogeography*, **2007**, 34, 1679-1690	4.1	36
101	Are there general rules governing parasite diversity? Small mammalian hosts and gamasid mite assemblages. *Diversity and Distributions*, **2007**, 13, 353-360	5	33
100	Host defence versus intraspecific competition in the regulation of infrapopulations of the flea Xenopsylla conformis on its rodent host Meriones crassus. *International Journal for Parasitology*, **2007**, 37, 919-25	4.3	17
99	Between-host phylogenetic distance and feeding efficiency in hematophagous ectoparasites: rodent fleas and a bat host. *Parasitology Research*, **2007**, 101, 365-71	2.4	20
98	Host community structure and infestation by ixodid ticks: repeatability, dilution effect and ecological specialization. *Oecologia*, **2007**, 154, 185-94	2.9	38
97	Ultimate mechanisms of age-biased flea parasitism. *Oecologia*, **2007**, 154, 601-9	2.9	14
96	Reproductive success in two species of desert fleas: density dependence and host effect. *Journal of Experimental Biology*, **2007**, 210, 2121-7	3	4
95	Species abundance and asymmetric interaction strength in ecological networks. *Oikos*, **2007**, 116, 1120-1127	4	51

94	Density dependence of feeding success in haematophagous ectoparasites. *Parasitology*, **2007**, 134, 1379-86	2.7	8
93	Locomotor response to light and surface angle in three species of desert fleas. *Parasitology Research*, **2007**, 100, 973-82	2.4	6
92	Evolution of host specificity in fleas: is it directional and irreversible?. *International Journal for Parasitology*, **2006**, 36, 185-91	4.3	55
91	Temporal dynamics of a T-cell mediated immune response in desert rodents. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2006**, 145, 554-9	2.6	40
90	Age, intensity of infestation by flea parasites and body mass loss in a rodent host. *Parasitology*, **2006**, 133, 187-93	2.7	38
89	Aggregation and species coexistence in fleas parasitic on small mammals. *Ecography*, **2006**, 29, 159-168	6.5	31
88	Micromammals and macroparasites: Who is who and how do they interact? **2006**, 3-9		8
87	Resource predictability and host specificity in fleas: the effect of host body mass. *Parasitology*, **2006**, 133, 81-8	2.7	25
86	Conservatism of host specificity in parasites. *Ecography*, **2006**, 29, 596-602	6.5	45
85	Relationship between host abundance and parasite distribution: inferring regulating mechanisms from census data. *Journal of Animal Ecology*, **2006**, 75, 575-83	4.7	49
84	Are ectoparasite communities structured? Species co-occurrence, temporal variation and null models. *Journal of Animal Ecology*, **2006**, 75, 1330-9	4.7	49
83	Flea infestation and energy requirements of rodent hosts: are there general rules?. *Functional Ecology*, **2006**, 20, 1028-1036	5.6	27
82	Immunocompetence and flea parasitism of a desert rodent. *Functional Ecology*, **2006**, 20, 637-646	5.6	22
81	Age-dependent flea (Siphonaptera) parasitism in rodents: a host's life history matters. *Journal of Parasitology*, **2006**, 92, 242-8	0.9	31
80	Host Specificity, Parasite Community Size and the Relation between Abundance and its Variance. *Evolutionary Ecology*, **2006**, 20, 75-91	1.8	22
79	Habitat variation in species composition of flea assemblages on small mammals in central Europe. *Ecological Research*, **2006**, 21, 460-469	1.9	45
78	Relationships between local and regional species richness in flea communities of small mammalian hosts: saturation and spatial scale. *Parasitology Research*, **2006**, 98, 403-13	2.4	18
77	Temporal variation in parasite infestation of a host individual: does a parasite-free host remain uninfested permanently?. *Parasitology Research*, **2006**, 99, 541-5	2.4	29

76	Ectoparasites and age-dependent survival in a desert rodent. *Oecologia*, **2006**, 148, 30-9	2.9	61
75	Ecological characteristics of flea species relate to their suitability as plague vectors. *Oecologia*, **2006**, 149, 474-81	2.9	28
74	Is abundance a species attribute? An example with haematophagous ectoparasites. *Oecologia*, **2006** , 150, 132-40	2.9	44
73	Fleas: Permanent satellites of small mammals **2006**, 161-177		16
72	Patterns of macroparasite diversity in small mammals **2006**, 197-231		11
71	Patterns of host specificity in parasites exploiting small mammals **2006**, 233-256		21
70	Global changes and the future of micromammal-macroparasite interactions **2006**, 617-635		2
69	Sex-biased parasitism, seasonality and sexual size dimorphism in desert rodents. *Oecologia*, **2005**, 146, 209-17	2.9	118
68	Larval interspecific competition in two flea species parasitic on the same rodent host. *Ecological Entomology*, **2005**, 30, 146-155	2.1	46
67	Covariance in species diversity and facilitation among non-interactive parasite taxa: all against the host. *Parasitology*, **2005**, 131, 557-68	2.7	28
66	Energy costs of blood digestion in a host-specific haematophagous parasite. *Journal of Experimental Biology*, **2005**, 208, 2489-96	3	38
65	Diversification of ectoparasite assemblages and climate: an example with fleas parasitic on small mammals. *Global Ecology and Biogeography*, **2005**, 14, 167-175	6.1	14
64	Species abundance and the distribution of specialization in host-parasite interaction networks. *Journal of Animal Ecology*, **2005**, 74, 946-955	4.7	167
63	Spatial variation in species diversity and composition of flea assemblages in small mammalian hosts: geographical distance or faunal similarity?. *Journal of Biogeography*, **2005**, 32, 633-644	4.1	93
62	Is a starving host tastier? Reproduction in fleas parasitizing food-limited rodents. *Functional Ecology*, **2005**, 19, 625-631	5.6	53
61	Host specificity and geographic range in haematophagous ectoparasites. *Oikos*, **2005**, 108, 449-456	4	69
60	Abundance patterns and coexistence processes in communities of fleas parasitic on small mammals. *Ecography*, **2005**, 28, 453-464	6.5	32
59	Nested pattern in flea assemblages across the host's geographic range. *Ecography*, **2005**, 28, 475-484	6.5	29

58	Distribution of fleas (Siphonaptera) among small mammals: mean abundance predicts prevalence via simple epidemiological model. *International Journal for Parasitology*, **2005**, 35, 1097-101	4.3	14
57	What are the factors determining the probability of discovering a flea species (Siphonaptera)?. *Parasitology Research*, **2005**, 97, 228-37	2.4	15
56	Age-biased parasitism and density-dependent distribution of fleas (Siphonaptera) on a desert rodent. *Oecologia*, **2005**, 146, 200-8	2.9	66
55	Abundance and distribution of fleas on desert rodents: linking Taylor's power law to ecological specialization and epidemiology. *Parasitology*, **2005**, 131, 825-37	2.7	16
54	Dietary intake and time budget in two desert rodents: a diurnal herbivore, Psammomys obesus, and a nocturnal granivore, Meriones crassus. *Mammalia*, **2005**, 69,	1	6
53	Relationship between host diversity and parasite diversity: flea assemblages on small mammals. *Journal of Biogeography*, **2004**, 31, 1857-1866	4.1	59
52	Sampling fleas: the reliability of host infestation data. *Medical and Veterinary Entomology*, **2004**, 18, 232-240	2.4	32
51	Geographical variation in host specificity of fleas (Siphonaptera) parasitic on small mammals: the influence of phylogeny and local environmental conditions. *Ecography*, **2004**, 27, 787-797	6.5	77
50	Fitness consequences of host selection in ectoparasites: testing reproductive patterns predicted by isodar theory in fleas parasitizing rodents. *Journal of Animal Ecology*, **2004**, 73, 815-820	4.7	55
49	Flea species richness and parameters of host body, host geography and host habitat. *Journal of Animal Ecology*, **2004**, 73, 1121-1128	4.7	107
48	Metabolic rate and jump performance in seven species of desert fleas. *Journal of Insect Physiology*, **2004**, 50, 149-56	2.4	21
47	Relationships between parasite abundance and the taxonomic distance among a parasite's host species: an example with fleas parasitic on small mammals. *International Journal for Parasitology*, **2004**, 34, 1289-97	4.3	63
46	Immune responses to fleas in two rodent species differing in natural prevalence of infestation and diversity of flea assemblages. *Parasitology Research*, **2004**, 94, 304-311	2.4	45
45	Temporal dynamics in spatial organization of a rodent community in the Negev Highlands (Israel). *Journal of Zoology*, **2004**, 263, 207-218	2	8
44	Immune response to fleas in a wild desert rodent: effect of parasite species, parasite burden, sex of host and host parasitological experience. *Journal of Experimental Biology*, **2004**, 207, 2725-33	3	64
43	Ectoparasitic "jacks-of-all-trades": relationship between abundance and host specificity in fleas (Siphonaptera) parasitic on small mammals. *American Naturalist*, **2004**, 164, 506-16	3.7	90
42	Host specificity and foraging efficiency in blood-sucking parasite: feeding patterns of the flea Parapulex chephrenis on two species of desert rodents. *Parasitology Research*, **2003**, 90, 393-9	2.4	57
41	Density-dependent host selection in ectoparasites: an application of isodar theory to fleas parasitizing rodents. *Oecologia*, **2003**, 134, 365-72	2.9	49

40	Sexual size dimorphism, morphological traits and jump performance in seven species of desert fleas (Siphonaptera). *Journal of Zoology*, **2003**, 261, 181-189	2	30
39	The effect of substrate on survival and development of two species of desert fleas (Siphonaptera: Pulicidae). *Parasite*, **2002**, 9, 135-42	3	31
38	Energy cost of ectoparasitism: the flea Xenopsylla ramesis on the desert gerbil Gerbillus dasyurus. *Journal of Zoology*, **2002**, 258, 349-354	2	86
37	Can interaction coefficients be determined from census data? Testing two estimation methods with Negev Desert rodents. *Oikos*, **2002**, 99, 47-58	4	26
36	Annual cycles of four flea species in the central Negev desert. *Medical and Veterinary Entomology*, **2002**, 16, 266-76	2.4	54
35	Host discrimination by two desert fleas using an odour cue. *Animal Behaviour*, **2002**, 64, 33-40	2.8	54
34	COEVOLUTIONARY EVENTS IN THE HISTORY OF ASSOCIATION BETWEEN JERBOAS (RODENTIA: DIPODIDAE) AND THEIR FLEA PARASITES. *Israel Journal of Zoology*, **2002**, 48, 331-350		30
33	Novel case of a tenebrionid beetle using discontinuous gas exchange cycle when dehydrated. *Physiological Entomology*, **2002**, 27, 79-83	1.9	28
32	Habitat-dependent differences in architecture and microclimate of the burrows of Sundevall's jird (Meriones crassus) (Rodentia: Gerbillinae) in the Negev Desert, Israel. *Journal of Arid Environments*, **2002**, 51, 265-279	2.5	57
31	THE EFFECT OF HOST DENSITY ON ECTOPARASITE DISTRIBUTION: AN EXAMPLE OF A RODENT PARASITIZED BY FLEAS. *Ecology*, **2002**, 83, 164-175	4.6	105
30	Water balance in two species of desert fleas, Xenopsylla ramesis and X. conformis (Siphonaptera: Pulicidae). *Journal of Medical Entomology*, **2002**, 39, 875-81	2.2	10
29	Metabolic rate and respiratory gas-exchange patterns in tenebrionid beetles from the Negev Highlands, Israel. *Journal of Experimental Biology*, **2002**, 205, 791-798	3	30
28	THE EFFECT OF HOST DENSITY ON ECTOPARASITE DISTRIBUTION: AN EXAMPLE OF A RODENT PARASITIZED BY FLEAS **2002**, 83, 164		4
27	The effect of vegetation cover on vigilance and foraging tactics in the fat sand rat Psammomys obesus. *Journal of Ethology*, **2001**, 19, 105-113	1.1	47
26	Development rates of two Xenopsylla flea species in relation to air temperature and humidity. *Medical and Veterinary Entomology*, **2001**, 15, 249-58	2.4	74
25	Intra- and interspecific variation in vigilance and foraging of two gerbillid rodents, Rhombomys opimus andPsammomys obesus : the effect of social environment. *Animal Behaviour*, **2001**, 62, 965-972	2.8	23
24	Respiratory gas exchange in the flea Xenopsylla conformis (Siphonaptera: Pulicidae). *Journal of Medical Entomology*, **2001**, 38, 735-9	2.2	15
23	Effect of air temperature and humidity on the survival of pre-imaginal stages of two flea species (Siphonaptera: Pulicidae). *Journal of Medical Entomology*, **2001**, 38, 629-37	2.2	144

22	BODY MASS AND ENVIRONMENT: A STUDY IN NEGEV RODENTS. *Israel Journal of Zoology*, **2001**, 47, 1-13		14
21	Does food-searching ability determine habitat selection? Foraging in sand of three species of gerbilline rodents. *Ecography*, **2000**, 23, 122-129	6.5	6
20	Space use in Wagner's gerbil Gerbillus dasyurus in the Negev Highlands, Israel. *Acta Theriologica*, **2000**, 45, 175-182		11
19	Average daily metabolic rate of rodents: habitat and dietary comparisons. *Functional Ecology*, **1998**, 12, 63-73	5.6	42
18	Habitat dependence of a parasite-host relationship: flea (Siphonaptera) assemblages in two gerbil species of the Negev Desert. *Journal of Medical Entomology*, **1998**, 35, 303-13	2.2	66
17	Spatial patterns of rodent communities in the Ramon erosion cirque, Negev Highlands, Israel. *Journal of Arid Environments*, **1996**, 32, 319-327	2.5	42
16	Discrimination of midday jird's odour by house mice. *Animal Behaviour*, **1996**, 52, 659-665	2.8	12
15	Seasonal changes in darkling beetle communities (Coleoptera: Tenebrionidae) in the Ramon erosion cirque, Negev Highlands, Israel. *Journal of Arid Environments*, **1995**, 31, 335-347	2.5	22
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