

Eviatar Nevo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/10913069/eviatar-nevo-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335
papers

17,609
citations

66
h-index

119
g-index

337
ext. papers

19,641
ext. citations

5.5
avg, IF

6.62
L-index

#	Paper	IF	Citations
335	Microsatellites within genes: structure, function, and evolution. <i>Molecular Biology and Evolution</i> , 2004 , 21, 991-1007	8.3	796
334	Microsatellites: genomic distribution, putative functions and mutational mechanisms: a review. <i>Molecular Ecology</i> , 2002 , 11, 2453-65	5.7	761
333	Genetic variation in natural populations: patterns and theory. <i>Theoretical Population Biology</i> , 1978 , 13, 121-77	1.2	747
332	High-molecular-mass hyaluronan mediates the cancer resistance of the naked mole rat. <i>Nature</i> , 2013 , 499, 346-9	50.4	470
331	The Evolutionary Significance of Genetic Diversity: Ecological, Demographic and Life History Correlates. <i>Lecture Notes in Biomathematics</i> , 1984 , 13-213		365
330	Drought-tolerance of wheat improved by rhizosphere bacteria from harsh environments: enhanced biomass production and reduced emissions of stress volatiles. <i>PLoS ONE</i> , 2014 , 9, e96086	3.7	360
329	Retrotransposon BARE-1 and Its Role in Genome Evolution in the Genus <i>Hordeum</i> . <i>Plant Cell</i> , 1999 , 11, 1769-1784	11.6	304
328	Biochemical diversity and evolution in the genus <i>Mus</i> . <i>Biochemical Genetics</i> , 1984 , 22, 275-303	2.4	293
327	Drought and salt tolerances in wild relatives for wheat and barley improvement. <i>Plant, Cell and Environment</i> , 2010 , 33, 670-85	8.4	280
326	Neuroglobin and cytoglobin in search of their role in the vertebrate globin family. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 110-9	4.2	249
325	Identifying the fundamental units of bacterial diversity: a paradigm shift to incorporate ecology into bacterial systematics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2504-9	11.5	248
324	Domestication quantitative trait loci in <i>Triticum dicoccoides</i> , the progenitor of wheat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2489-94	11.5	244
323	Fluctuating Asymmetry: Methods, Theory, and Applications. <i>Symmetry</i> , 2010 , 2, 466-540	2.7	237
322	Multiple genetic processes result in heterogeneous rates of evolution within the major cluster disease resistance genes in lettuce. <i>Plant Cell</i> , 2004 , 16, 2870-94	11.6	223
321	HOMAGE TO SANTA ANITA: THERMAL SENSITIVITY OF SPRINT SPEED IN AGAMID LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 1983 , 37, 1075-1084	3.8	222
320	Visual system of a naturally microphthalmic mammal: the blind mole rat, <i>Spalax ehrenbergi</i> . <i>Journal of Comparative Neurology</i> , 1993 , 328, 313-50	3.4	214
319	Fight versus flight: Body temperature influences defensive responses of lizards. <i>Animal Behaviour</i> , 1982 , 30, 676-679	2.8	202

318	Origin and evolution of circadian clock genes in prokaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2495-500	11.5	182
317	Domestication evolution, genetics and genomics in wheat. <i>Molecular Breeding</i> , 2011 , 28, 281-301	3.4	181
316	Tibet is one of the centers of domestication of cultivated barley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16969-73	11.5	173
315	Cytoglobin is a respiratory protein in connective tissue and neurons, which is up-regulated by hypoxia. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8063-9	5.4	170
314	Ocular regression conceals adaptive progression of the visual system in a blind subterranean mammal. <i>Nature</i> , 1993 , 361, 156-9	50.4	160
313	Regulation of Nrf2 signaling and longevity in naturally long-lived rodents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3722-7	11.5	149
312	Bacterial distribution in the rhizosphere of wild barley under contrasting microclimates. <i>PLoS ONE</i> , 2011 , 6, e17968	3.7	147
311	Molecular genetic maps in wild emmer wheat, <i>Triticum dicoccoides</i> : genome-wide coverage, massive negative interference, and putative quasi-linkage. <i>Genome Research</i> , 2000 , 10, 1509-31	9.7	146
310	Evolution of wild cereals during 28 years of global warming in Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3412-5	11.5	132
309	Evolution in action across phylogeny caused by microclimatic stresses at "Evolution Canyon". <i>Theoretical Population Biology</i> , 1997 , 52, 231-43	1.2	132
308	Effect of different carbon and nitrogen sources on laccase and peroxidases production by selected <i>Pleurotus</i> species. <i>Enzyme and Microbial Technology</i> , 2006 , 38, 65-73	3.8	127
307	GENETIC VARIATION, SELECTION AND SPECIATION IN THOMOMYS TALPOIDES POCKET GOPHERS. <i>Evolution; International Journal of Organic Evolution</i> , 1974 , 28, 1-23	3.8	126
306	Adenosine-to-inosine RNA editing shapes transcriptome diversity in primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12174-9	11.5	123
305	GENETIC DIVERSITY AND ENVIRONMENTAL ASSOCIATIONS OF WILD BARLEY, <i>HORDEUM SPONTANEUM</i> , IN ISRAEL. <i>Evolution; International Journal of Organic Evolution</i> , 1979 , 33, 815-833	3.8	122
304	Molecular Evolution of Grass Stomata. <i>Trends in Plant Science</i> , 2017 , 22, 124-139	13.1	119
303	Hypoxic stress tolerance of the blind subterranean mole rat: expression of erythropoietin and hypoxia-inducible factor 1 alpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9698-703	11.5	118
302	Molecular characterization of a novel powdery mildew resistance gene Pm30 in wheat originating from wild emmer. <i>Euphytica</i> , 2002 , 123, 21-29	2.1	117
301	Enhanced efficiency of quantitative trait loci mapping analysis based on multivariate complexes of quantitative traits. <i>Genetics</i> , 2001 , 157, 1789-803	4	117

300	Quantum speciation in <i>Aegilops</i> : molecular cytogenetic evidence from rDNA cluster variability in natural populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14818-23	11.5	116
299	Origin of sphinx, a young chimeric RNA gene in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4448-53	11.5	114
298	An ATP-binding cassette subfamily G full transporter is essential for the retention of leaf water in both wild barley and rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12354-9	11.5	113
297	EVOLUTIONARY GENETICS OF INSULAR ADRIATIC LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 1975 , 29, 52-71	3.8	108
296	Oxygen and carbon dioxide fluctuations in burrows of subterranean blind mole rats indicate tolerance to hypoxic-hypercapnic stresses. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005 , 142, 376-82	2.6	106
295	Genetic variation in a subterranean mammal, <i>Spalax ehrenbergi</i> . <i>Biochemical Genetics</i> , 1972 , 7, 235-41	2.4	105
294	The draft genome of Tibetan hulless barley reveals adaptive patterns to the high stressful Tibetan Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1095-100	11.5	102
293	Genetic diversity in wild cereals: regional and local studies and their bearing on conservation ex situ and in situ. <i>Genetic Resources and Crop Evolution</i> , 1998 , 45, 355-370	2	102
292	Genome-wide adaptive complexes to underground stresses in blind mole rats <i>Spalax</i> . <i>Nature Communications</i> , 2014 , 5, 3966	17.4	101
291	Evolutionary Conservation of ABA Signaling for Stomatal Closure. <i>Plant Physiology</i> , 2017 , 174, 732-747	6.6	100
290	Neuroglobin, cytoglobin, and myoglobin contribute to hypoxia adaptation of the subterranean mole rat <i>Spalax</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21570-5	11.5	98
289	Genetic Diversity in Nature 1988 , 217-246		97
288	Activity of the En/Spm-like transposons in meiosis as a base for chromosome repatterning in a small, isolated, peripheral population of <i>Aegilops speltoides</i> Tausch. <i>Chromosome Research</i> , 2004 , 12, 153-61	4.4	94
287	Microsatellite diversity associated with ecological factors in <i>Hordeum spontaneum</i> populations in Israel. <i>Molecular Ecology</i> , 2001 , 10, 1577-91	5.7	94
286	Cancer resistance in the blind mole rat is mediated by concerted necrotic cell death mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19392-6	11.5	93
285	Evolution of p53 in hypoxia-stressed <i>Spalax</i> mimics human tumor mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12236-41	11.5	93
284	Analysis of simple sequence repeats (SSRs) in wild barley from the Fertile Crescent: associations with ecology, geography and flowering time. <i>Plant Molecular Biology</i> , 2002 , 48, 511-27	4.6	93
283	Wild emmer: genetic resources, gene mapping and potential for wheat improvement. <i>Euphytica</i> , 2008 , 164, 603-614	2.1	89

282	Adaptation and incipient sympatric speciation of <i>Bacillus simplex</i> under microclimatic contrast at "Evolution Canyons" I and II, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15924-9	11.5	89
281	Effects of carbon and nitrogen sources on <i>Pleurotus ostreatus</i> ligninolytic enzyme activity. <i>World Journal of Microbiology and Biotechnology</i> , 2006 , 22, 999-1002	4.4	88
280	Evolution of Wild Emmer and Wheat Improvement 2002 ,		87
279	Adaptive melanin response of the soil fungus <i>Aspergillus niger</i> to UV radiation stress at "Evolution Canyon", Mount Carmel, Israel. <i>PLoS ONE</i> , 2008 , 3, e2993	3.7	86
278	Homage to Santa Anita: Thermal Sensitivity of Sprint Speed in Agamid Lizards. <i>Evolution; International Journal of Organic Evolution</i> , 1983 , 37, 1075	3.8	84
277	Microsatellite diversity correlated with ecological-edaphic and genetic factors in three microsites of wild emmer wheat in North Israel. <i>Molecular Biology and Evolution</i> , 2000 , 17, 851-62	8.3	80
276	Genetic resources of wild cereals in Israel and vicinity. II. Phenotypic variation within and between populations of wild barley, <i>Hordeum spontaneum</i> . <i>Euphytica</i> , 1984 , 33, 737-756	2.1	77
275	Evolution of chloroplast retrograde signaling facilitates green plant adaptation to land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5015-5020	11.5	74
274	Population genetic response to microsite ecological stress in wild barley, <i>Hordeum spontaneum</i> . <i>Molecular Ecology</i> , 1997 , 6, 1177-1187	5.7	73
273	Molecular identification of a new powdery mildew resistance gene Pm41 on chromosome 3BL derived from wild emmer (<i>Triticum turgidum</i> var. <i>dicoccoides</i>). <i>Theoretical and Applied Genetics</i> , 2009 , 119, 531-9	6	72
272	Thermal selection of allozyme polymorphisms in barnacles. <i>Nature</i> , 1977 , 267, 699-701	50.4	70
271	Transposable elements in a marginal plant population: temporal fluctuations provide new insights into genome evolution of wild diploid wheat. <i>Mobile DNA</i> , 2010 , 1, 6	4.4	67
270	Adaptive Variation in Size of Cricket Frogs. <i>Ecology</i> , 1973 , 54, 1271-1281	4.6	67
269	Genetic diversity revealed by single nucleotide polymorphism markers in a worldwide germplasm collection of durum wheat. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 7061-88	6.3	66
268	Identification of a novel gene (Hsdr4) involved in water-stress tolerance in wild barley. <i>Plant Molecular Biology</i> , 2007 , 64, 17-34	4.6	66
267	Genetic differentiation during speciation. <i>Nature</i> , 1978 , 275, 125-6	50.4	66
266	Allelic diversity associated with aridity gradient in wild emmer wheat populations. <i>Plant, Cell and Environment</i> , 2008 , 31, 39-49	8.4	64
265	Natural selection causes microscale allozyme diversity in wild barley and a lichen at Evolution Canyon, Mt. Carmel, Israel. <i>Heredity</i> , 1997 , 78, 373-382	3.6	62

264	"Evolution Canyon," a potential microscale monitor of global warming across life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2960-5	11.5	61
263	Molecular evolution and ecological stress at global, regional and local scales: The Israeli perspective. <i>The Journal of Experimental Zoology</i> , 1998 , 282, 95-119		60
262	Identification and genetic mapping of a powdery mildew resistance gene in wild emmer (<i>Triticum dicoccoides</i>) accession IW72 from Israel. <i>Euphytica</i> , 2008 , 159, 385-390	2.1	57
261	NATURAL SELECTION OF ALLOZYME POLYMORPHISMS: A MICROSITE TEST REVEALING ECOLOGICAL GENETIC DIFFERENTIATION IN WILD BARLEY. <i>Evolution; International Journal of Organic Evolution</i> , 1986 , 40, 13-20	3.8	57
260	Evolution under environmental stress at macro- and microscales. <i>Genome Biology and Evolution</i> , 2011 , 3, 1039-52	3.9	56
259	Genetic parallelism of protein polymorphism in nature: ecological test of the neutral theory of molecular evolution. <i>Biological Journal of the Linnean Society</i> , 1988 , 35, 229-245	1.9	56
258	Increased blood vessel density provides the mole rat physiological tolerance to its hypoxic subterranean habitat. <i>FASEB Journal</i> , 2005 , 19, 1314-6	0.9	55
257	Edaphic natural selection of allozyme polymorphisms in <i>Aegilops peregrina</i> at a Galilee microsite in Israel. <i>Heredity</i> , 1994 , 72, 109-112	3.6	55
256	Geographic variation of blood and liver proteins in cricket frogs. <i>Biochemical Genetics</i> , 1969 , 3, 171-88	2.4	55
255	Adaptive climatic molecular evolution in wild barley at the <i>Isa</i> defense locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2773-8	11.5	54
254	Transcriptome profiling reveals mosaic genomic origins of modern cultivated barley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13403-8	11.5	53
253	Sustained high levels of neuregulin-1 in the longest-lived rodents; a key determinant of rodent longevity. <i>Aging Cell</i> , 2012 , 11, 213-22	9.9	51
252	The circadian photopigment melanopsin is expressed in the blind subterranean mole rat, <i>Spalax</i> . <i>NeuroReport</i> , 2002 , 13, 1411-4	1.7	51
251	BIODIVERSITY AND INTERSLOPE DIVERGENCE OF VASCULAR PLANTS CAUSED BY MICROCLIMATIC DIFFERENCES AT EVOLUTION CANYON—LOWER NAHAL OREN, MOUNT CARMEL, ISRAEL. <i>Israel Journal of Plant Sciences</i> , 1999 , 47, 49-59	0.6	51
250	Photopigments and circadian systems of vertebrates. <i>Biophysical Chemistry</i> , 1995 , 56, 3-11	3.5	51
249	PiHOG1, a stress regulator MAP kinase from the root endophyte fungus <i>Piriformospora indica</i> , confers salinity stress tolerance in rice plants. <i>Scientific Reports</i> , 2016 , 6, 36765	4.9	51
248	Living with stress: regulation of antioxidant defense genes in the subterranean, hypoxia-tolerant mole rat, <i>Spalax</i> . <i>Gene</i> , 2012 , 500, 199-206	3.8	49
247	Sfp-type PPTase inactivation promotes bacterial biofilm formation and ability to enhance wheat drought tolerance. <i>Frontiers in Microbiology</i> , 2015 , 6, 387	5.7	48

246	Drosophila flies in "Evolution Canyon" as a model for incipient sympatric speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18184-9	11.5	48
245	Electrophysiological mapping of body representation in the cortex of the blind mole rat. <i>NeuroReport</i> , 1992 , 3, 505-8	1.7	48
244	Ecological correlates of RAPD DNA diversity of wild barley, <i>Hordeum spontaneum</i> , in the Fertile Crescent. <i>Genetic Resources and Crop Evolution</i> , 1998 , 45, 151-159	2	47
243	Relationships of the chromosomal species in the Eurasian mole rats of the <i>Spalax ehrenbergi</i> group as determined by DNA-DNA hybridization, and an estimate of the spalacid-murid divergence time. <i>Journal of Molecular Evolution</i> , 1989 , 29, 223-32	3.1	47
242	Long-term microclimatic stress causes rapid adaptive radiation of kaiABC clock gene family in a cyanobacterium, <i>Nostoc linckia</i> , from "Evolution Canyons" I and II, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2082-7	11.5	46
241	Speciation in action and adaptation in subterranean mole rats: patterns and theory. <i>Bollettino Di Zoologia</i> , 1985 , 52, 65-95		46
240	Chromosomal distribution of reverse transcriptase-containing retroelements in two Triticeae species. <i>Chromosome Research</i> , 2001 , 9, 129-36	4.4	45
239	Naked mole rats can undergo developmental, oncogene-induced and DNA damage-induced cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1801-1806	11.5	44
238	Coevolution of A and B genomes in allotetraploid <i>Triticum dicoccoides</i> . <i>Genome</i> , 2000 , 43, 1021-1026	2.4	44
237	Genetic resources of wild cereals in Israel and vicinity. I. Phenotypic variation within and between populations of wild wheat, <i>Triticum dicoccoides</i> . <i>Euphytica</i> , 1984 , 33, 717-735	2.1	44
236	Association of alleles at esterase loci in wild barley <i>Hordeum spontaneum</i> L.. <i>Nature</i> , 1977 , 268, 430-431	50.4	44
235	Competitive exclusion between insular <i>Lacerta</i> species (Sauria, Lacertidae) : Notes on experimental Introductions. <i>Oecologia</i> , 1972 , 10, 183-190	2.9	44
234	Exploring natural selection to guide breeding for agriculture. <i>Plant Biotechnology Journal</i> , 2014 , 12, 655-626	6.2	43
233	A switch from diurnal to nocturnal activity in <i>S. ehrenbergi</i> is accompanied by an uncoupling of light input and the circadian clock. <i>Current Biology</i> , 2002 , 12, 1919-22	6.3	43
232	Genetic polymorphisms in subterranean mammals (<i>Spalax ehrenbergi</i> superspecies) in the near east revisited: patterns and theory. <i>Heredity</i> , 1994 , 72 (Pt 5), 465-87	3.6	43
231	Adaptive spatiotemporal distribution of soil microfungi in Evolution CanyonII, Lower Nahal Keziv, western Upper Galilee, Israel. <i>Biological Journal of the Linnean Society</i> , 2003 , 78, 527-539	1.9	42
230	Evolution of genomic diversity and sex at extreme environments: fungal life under hypersaline Dead Sea stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14970-5	11.5	42
229	Chromosomal regions controlling seedling drought resistance in Israeli wild barley, <i>Hordeum spontaneum</i> C. Koch. <i>Genetic Resources and Crop Evolution</i> , 2010 , 57, 85-99	2	41

228	Ontogenetic expression of erythropoietin and hypoxia-inducible factor-1 alpha genes in subterranean blind mole rats. <i>FASEB Journal</i> , 2005 , 19, 307-9	0.9	41
227	Activity pattern and rhythm in the subterranean mole rat superspecies <i>Spalax ehrenbergi</i> . <i>Behavior Genetics</i> , 1995 , 25, 239-45	3.2	41
226	Aggression patterns in adaptation and speciation of subterranean mole rats. <i>Journal of Genetics</i> , 1986 , 65, 65-78	1.2	41
225	HYBRIDIZATION AND SPECIATION IN FOSSORIAL MOLE RATS. <i>Evolution; International Journal of Organic Evolution</i> , 1976 , 30, 831-840	3.8	41
224	Alternatively spliced <i>Spalax</i> heparanase inhibits extracellular matrix degradation, tumor growth, and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2253-8	11.5	40
223	Rest-activity rhythm of the blind mole rat <i>Spalax ehrenbergi</i> under different lighting conditions. <i>Behavioural Brain Research</i> , 1998 , 96, 173-83	3.4	39
222	Approximate analysis of QTL-environment interaction with no limits on the number of environments. <i>Genetics</i> , 1998 , 148, 2015-28	4	39
221	Genome size variation in <i>Hordeum spontaneum</i> populations. <i>Genome</i> , 1999 , 42, 1094-9	2.4	38
220	Inherited differences in crossing over and gene conversion frequencies between wild strains of <i>Sordaria fimicola</i> from "Evolution Canyon". <i>Genetics</i> , 2001 , 159, 1573-93	4	38
219	Uncovering the dispersion history, adaptive evolution and selection of wheat in China. <i>Plant Biotechnology Journal</i> , 2018 , 16, 280-291	11.6	37
218	Spectral tuning of a circadian photopigment in a subterranean 'blind' mammal (<i>Spalax ehrenbergi</i>). <i>FEBS Letters</i> , 1999 , 461, 343-7	3.8	37
217	Convergent evolution of the vestibular organ in the subterranean mole-rats, <i>Cryptomys</i> and <i>Spalax</i> , as compared with the aboveground rat, <i>Rattus</i> . <i>Journal of Morphology</i> , 1995 , 224, 303-11	1.6	37
216	Resistance of wild wheat to stripe rust: Predictive method by ecology and allozyme genotypes. <i>Plant Systematics and Evolution</i> , 1986 , 153, 13-30	1.3	37
215	Inherited and environmentally induced differences in mutation frequencies between wild strains of <i>Sordaria fimicola</i> from "Evolution Canyon". <i>Genetics</i> , 1998 , 149, 87-99	4	37
214	Divergence of <i>Drosophila melanogaster</i> repeatomes in response to a sharp microclimate contrast in Evolution Canyon, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10630-5	11.5	36
213	Circadian genes in a blind subterranean mammal II: conservation and uniqueness of the three period homologs in the blind subterranean mole rat, <i>Spalax ehrenbergi</i> superspecies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11718-23	11.5	36
212	ADAPTIVE COLOR POLYMORPHISM IN CRICKET FROGS. <i>Evolution; International Journal of Organic Evolution</i> , 1973 , 27, 353-367	3.8	36
211	A CNL protein in wild emmer wheat confers powdery mildew resistance. <i>New Phytologist</i> , 2020 , 228, 1027-1037	9.8	35

210	Genomic adaptation to drought in wild barley is driven by edaphic natural selection at the Tabigha Evolution Slope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5223-5228	11.5	35
209	Patterns of thermal adaptation of <i>Bacillus simplex</i> to the microclimatically contrasting slopes of 'Evolution Canyons' I and II, Israel. <i>Environmental Microbiology</i> , 2007 , 9, 716-26	5.2	35
208	New Wild Lactuca Genetic Resources with Resistance Against <i>Bremia lactuca</i> . <i>Genetic Resources and Crop Evolution</i> , 2006 , 53, 467-474	2	35
207	Evolutionary Genetics of Insular Adriatic Lizards. <i>Evolution; International Journal of Organic Evolution</i> , 1975 , 29, 52	3.8	35
206	"Evolution Canyon": A Microcosm of Life's Evolution Focusing on Adaptation and Speciation. <i>Israel Journal of Ecology and Evolution</i> , 2006 , 52, 501-506	0.8	34
205	Wild barley eibi1 mutation identifies a gene essential for leaf water conservation. <i>Planta</i> , 2004 , 219, 684-93	4.7	34
204	Adaptive evolution of heparanase in hypoxia-tolerant Spalax: gene cloning and identification of a unique splice variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15161-6	11.5	34
203	A fully functional rod visual pigment in a blind mammal. A case for adaptive functional reorganization?. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38674-9	5.4	34
202	Evolution in action across life at Evolution Canyons Israel. <i>Trends in Evolutionary Biology</i> , 2009 , 1, 3		33
201	A functional cutin matrix is required for plant protection against water loss. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1297-9	2.5	33
200	The disease resistance gene Dm3 is infrequent in natural populations of <i>Lactuca serriola</i> due to deletions and frequent gene conversions at the RGC2 locus. <i>Plant Journal</i> , 2006 , 47, 38-48	6.9	33
199	Circadian genes in a blind subterranean mammal III: molecular cloning and circadian regulation of cryptochrome genes in the blind subterranean mole rat, <i>Spalax ehrenbergi</i> superspecies. <i>Journal of Biological Rhythms</i> , 2004 , 19, 22-34	3.2	33
198	Mosaic microecological differential stress causes adaptive microsatellite divergence in wild barley, <i>Hordeum spontaneum</i> , at Neve Yaar, Israel. <i>Genome</i> , 2002 , 45, 1216-29	2.4	33
197	Resistance of wild emmer wheat to stem rust: Ecological, pathological and allozyme associations. <i>Euphytica</i> , 1991 , 53, 121-130	2.1	33
196	Genetic diversity of photosynthetic characters in native populations of <i>Triticum dicoccoides</i> . <i>Photosynthesis Research</i> , 1990 , 25, 119-28	3.7	33
195	Isozyme polymorphism as monitoring of marine environments: The interactive effect of cadmium and mercury pollution on the shrimp, <i>Palaemon elegans</i> . <i>Marine Pollution Bulletin</i> , 1988 , 19, 314-317	6.7	33
194	Genetic Variation, Selection and Speciation in <i>Thomomys talpoides</i> Pocket Gophers. <i>Evolution; International Journal of Organic Evolution</i> , 1974 , 28, 1	3.8	33
193	Single- and multiple-trait mapping analysis of linked quantitative trait loci. Some asymptotic analytical approximations. <i>Genetics</i> , 1999 , 151, 387-96	4	33

192	Assembly and analysis of a qingke reference genome demonstrate its close genetic relation to modern cultivated barley. <i>Plant Biotechnology Journal</i> , 2018 , 16, 760-770	11.6	33
191	Evolution and genetic population structure of prickly lettuce (<i>Lactuca serriola</i>) and its RGC2 resistance gene cluster. <i>Genetics</i> , 2008 , 178, 1547-58	4	32
190	SNP-revealed genetic diversity in wild emmer wheat correlates with ecological factors. <i>BMC Evolutionary Biology</i> , 2013 , 13, 169	3	31
189	Molecular evolution of dimeric alpha-amylase inhibitor genes in wild emmer wheat and its ecological association. <i>BMC Evolutionary Biology</i> , 2008 , 8, 91	3	31
188	Adaptive spatiotemporal distribution of soil microfungi in Evolution Canyon III, Nahal Shaharut, extreme southern Negev Desert, Israel. <i>Biological Journal of the Linnean Society</i> , 2007 , 90, 263-277	1.9	31
187	Genome evolution of wild cereal diversity and prospects for crop improvement. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2006 , 4, 36-46	1	31
186	DNA sequence variation in the mitochondrial control region of subterranean mole rats, <i>Spalax ehrenbergi</i> superspecies, in Israel. <i>Molecular Biology and Evolution</i> , 2003 , 20, 622-32	8.3	31
185	Sexual and reproductive behaviour of <i>Drosophila melanogaster</i> from a microclimatically interslope differentiated population of "Evolution Canyon" (Mount Carmel, Israel). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 2365-74	4.4	31
184	Genetic diversity and climatic determinants of tree frogs in Israel. <i>Oecologia</i> , 1979 , 41, 47-63	2.9	31
183	Differential expression of small heat shock protein genes Hsp23 and Hsp40, and heat shock gene Hsr-omega in fruit flies (<i>Drosophila melanogaster</i>) along a microclimatic gradient. <i>Journal of Heredity</i> , 2011 , 102, 593-603	2.4	30
182	Adaptive differentiations of the skin of the head in a subterranean rodent, <i>Spalax ehrenbergi</i> . <i>Journal of Morphology</i> , 1997 , 233, 53-66	1.6	30
181	Phenotypic variation in caryopsis dormancy and seedling salt tolerance in wild barley, <i>Hordeum spontaneum</i> , from different habitats in Israel. <i>Genetic Resources and Crop Evolution</i> , 2008 , 55, 995-1005 ²		30
180	RAPD divergence caused by microsite edaphic selection in wild barley. <i>Genetica</i> , 1999 , 105, 177-92	1.5	30
179	Determinants of rodent longevity in the chaperone-protein degradation network. <i>Cell Stress and Chaperones</i> , 2016 , 21, 453-66	4	29
178	Genome differentiation of <i>Drosophila melanogaster</i> from a microclimate contrast in Evolution Canyon, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 21059-64	11.5	29
177	Evolution of wild emmer wheat and crop improvement. <i>Journal of Systematics and Evolution</i> , 2014 , 52, 673-696	2.9	29
176	Functional anatomy of the thalamus in the blind mole rat <i>Spalax ehrenbergi</i> : an architectonic and electrophysiologically controlled tracing study. <i>Journal of Comparative Neurology</i> , 1994 , 347, 570-84	3.4	29
175	The retina of <i>Spalax ehrenbergi</i> : novel histologic features supportive of a modified photosensory role. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 2374-83		29

174	Seasonal changes in urinary odors and in responses to them by blind subterranean mole rats. <i>Physiology and Behavior</i> , 1996 , 60, 963-8	3.5	28
173	TEMPERATURES AND ECOLOGICAL GENETIC DIFFERENTIATION AFFECTING THE GERMINATION OF HORDEUM SPONTANEUM CARYOPSES HARVESTED FROM THREE POPULATIONS: THE NEGEV DESERT AND OPPOSING SLOPES ON MEDITERRANEAN MOUNT CARMEL. <i>Israel Journal of Plant Sciences</i> , 1994 , 42, 183-195	0.6	28
172	Plant Root Associated Biofilms: Perspectives for Natural Product Mining 2011 , 285-300		26
171	Haptoglobin DNA polymorphism in subterranean mole rats of the <i>Spalax ehrenbergi</i> superspecies in Israel. <i>Heredity</i> , 1989 , 62 (Pt 1), 85-90	3.6	26
170	The primary structure of the hemoglobin of the mole rat (<i>Spalax ehrenbergi</i> , rodentia, chromosome species 60). <i>Hoppe-Seyler's Zeitschrift Für Physiologische Chemie</i> , 1984 , 365, 531-7		26
169	The myoglobin of rodents: <i>Lagostomus maximus</i> (viscacha) and <i>Spalax ehrenbergi</i> (mole rat). <i>The Protein Journal</i> , 1984 , 3, 445-454		26
168	Effect of medicinal mushrooms on blood cells under conditions of diabetes mellitus. <i>World Journal of Diabetes</i> , 2017 , 8, 187-201	4.7	25
167	Neuropeptidergic organization of the suprachiasmatic nucleus in the blind mole rat (<i>Spalax ehrenbergi</i>). <i>Brain Research Bulletin</i> , 1997 , 44, 633-9	3.9	25
166	Differences in spontaneous mutation frequencies as a function of environmental stress in soil fungi at "Evolution Canyon," Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5792-6	11.5	25
165	Assortative mating in <i>Drosophila</i> adapted to a microsite ecological gradient. <i>Behavior Genetics</i> , 2005 , 35, 753-64	3.2	25
164	Adaptive microclimatic structural and expressional dehydrin 1 evolution in wild barley, <i>Hordeum spontaneum</i> , at 'Evolution Canyon', Mount Carmel, Israel. <i>Molecular Ecology</i> , 2009 , 18, 2063-75	5.7	24
163	Mating call pattern of Green toads in Israel and its ecological correlate. <i>Journal of Zoology</i> , 2009 , 178, 133-145	2	24
162	A new measure of symmetry and its application to classification of bifurcating structures. <i>Pattern Recognition</i> , 2007 , 40, 2237-2250	7.7	24
161	Repetitive DNAs of wild emmer wheat (<i>Triticum dicoccoides</i>) and their relation to S-genome species: molecular cytogenetic analysis. <i>Genome</i> , 2002 , 45, 391-401	2.4	24
160	Microclimate, developmental plasticity and community structure in artificial temporary pools. <i>Hydrobiologia</i> , 1999 , 392, 187-196	2.4	24
159	Origin and Evolution of Ethological Isolation in Subterranean Mole Rats. <i>Evolution; International Journal of Organic Evolution</i> , 1981 , 35, 259	3.8	24
158	<i>Paenibacillus polymyxa</i> biofilm polysaccharides antagonise <i>Fusarium graminearum</i> . <i>Scientific Reports</i> , 2019 , 9, 662	4.9	23
157	Association of Agronomic Traits with SNP Markers in Durum Wheat (<i>Triticum turgidum</i> L. durum (Desf.)). <i>PLoS ONE</i> , 2015 , 10, e0130854	3.7	23

156	Tibet as a potential domestication center of cultivated barley of China. <i>PLoS ONE</i> , 2013 , 8, e62700	3.7	23
155	Multidimensional analysis of Drosophila wing variation in Evolution Canyon. <i>Journal of Genetics</i> , 2008 , 87, 407-19	1.2	23
154	Microgeographic genome size differentiation of the carob tree, <i>Ceratonia siliqua</i> , at 'Evolution Canyon', Israel. <i>Annals of Botany</i> , 2004 , 93, 529-35	4.1	23
153	Ecogeographic and genetic determinants of kernel weight and colour of wild barley (<i>Hordeum spontaneum</i>) populations in Israel. <i>Seed Science Research</i> , 2004 , 14, 137-146	1.3	23
152	p53—a key player in tumoral and evolutionary adaptation: a lesson from the Israeli blind subterranean mole rat. <i>Cell Cycle</i> , 2005 , 4, 368-72	4.7	23
151	Evolutionary dynamics and chromosomal distribution of repetitive sequences on chromosomes of <i>Aegilops speltoides</i> revealed by genomic in situ hybridization. <i>Heredity</i> , 2001 , 86, 738-42	3.6	23
150	Molecular evolution of cytochrome b of subterranean mole rats, <i>Spalax ehrenbergi</i> superspecies, in Israel. <i>Journal of Molecular Evolution</i> , 1999 , 49, 215-26	3.1	23
149	ORIGIN AND EVOLUTION OF ETHOLOGICAL ISOLATION IN SUBTERRANEAN MOLE RATS. <i>Evolution; International Journal of Organic Evolution</i> , 1981 , 35, 259-274	3.8	23
148	Stress, adaptation, and speciation in the evolution of the blind mole rat, <i>Spalax</i> , in Israel. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 66, 515-25	4.1	22
147	Wide genetic diversity of salinity tolerance, sodium exclusion and growth in wild emmer wheat, <i>Triticum dicoccoides</i> . <i>Breeding Science</i> , 2010 , 60, 426-435	2	22
146	EST-SSR diversity correlated with ecological and genetic factors of wild emmer wheat in Israel. <i>Hereditas</i> , 2009 , 146, 1-10	2.4	22
145	Differential expression profiling of the blind subterranean mole rat <i>Spalax ehrenbergi</i> superspecies: bioprospecting for hypoxia tolerance. <i>Physiological Genomics</i> , 2006 , 27, 54-64	3.6	22
144	Erythropoietin receptor spliced forms differentially expressed in blind subterranean mole rats. <i>FASEB Journal</i> , 2005 , 19, 1749-51	0.9	22
143	Correlation of ecological factors and allozymic variations with resistance to <i>Erysiphe graminis hordei</i> in <i>Hordeum spontaneum</i> in Israel: Patterns and application. <i>Plant Systematics and Evolution</i> , 1984 , 145, 79-96	1.3	22
142	Coevolution of A and B genomes in allotetraploid <i>Triticum dicoccoides</i> . <i>Genome</i> , 2000 , 43, 1021-1026	2.4	22
141	MECHANISMS OF ADAPTIVE SPECIATION AT THE MOLECULAR AND ORGANISMAL LEVELS I am indebted to the Israel Discount Bank Chair of Evolutionary Biology and to the Ansell-Teicher Research Foundation for Genetics and Molecular Evolution established by Florence and Theodore Baumritter of New York for financial support. 1986 , 439-474		21
140	<i>Triticum</i> 2011 , 407-456		20
139	Effect of copper and manganese ions on activities of laccase and peroxidases in three <i>Pleurotus</i> species grown on agricultural wastes. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 128, 87-96	3.2	20

138	Screening of laccase, manganese peroxidase, and versatile peroxidase activities of the genus <i>Pleurotus</i> in media with some raw plant materials as carbon sources. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 117, 155-64	3.2	20
137	Adaptive response to DNA-damaging agents in natural <i>Saccharomyces cerevisiae</i> populations from "Evolution Canyon", Mt. Carmel, Israel. <i>PLoS ONE</i> , 2009 , 4, e5914	3.7	19
136	DROUGHT AND LIGHT ANATOMICAL ADAPTIVE LEAF STRATEGIES IN THREE WOODY SPECIES CAUSED BY MICROCLIMATIC SELECTION AT ?EVOLUTION CANYON?, ISRAEL. <i>Israel Journal of Plant Sciences</i> , 2000 , 48, 33-46	0.6	19
135	Evolution in action: adaptation and incipient sympatric speciation with gene flow across life at Evolution Canyon, Israel. <i>Israel Journal of Ecology and Evolution</i> , 2014 , 60, 85-98	0.8	18
134	<i>Drosophila</i> at the "Evolution Canyon" Microsite, MT. Carmel, Israel: Selection Overrides Migration. <i>Israel Journal of Ecology and Evolution</i> , 2008 , 54, 165-180	0.8	18
133	Does domestication mimic speciation? 1. A population-genetic analysis of <i>Hordeum spontaneum</i> and <i>Hordeum vulgare</i> based on AFLP and evolutionary considerations. <i>Canadian Journal of Botany</i> , 2005 , 83, 1496-1512		18
132	En/Spm-like transposons in Poaceae species: transposase sequence variability and chromosomal distribution. <i>Cellular and Molecular Biology Letters</i> , 2006 , 11, 214-30	8.1	18
131	Mammalian microevolution in action: adaptive edaphic genomic divergence in blind subterranean mole-rats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271 Suppl 4, S156-9	4.4	18
130	Species, population and individual specific odors in urine of mole rats (<i>Spalax ehrenbergi</i>) detected by laboratory rats. <i>Chemoecology</i> , 1996 , 7, 107-111	2	18
129	Genetic structure and climatic correlates of desert landsnails. <i>Oecologia</i> , 1981 , 48, 199-208	2.9	18
128	Population Structure and Evolution in Subterranean Mole Rats. <i>Evolution; International Journal of Organic Evolution</i> , 1982 , 36, 1283	3.8	18
127	Evolution of wild barley at ?Evolution Canyon?: adaptation, speciation, pre-agricultural collection, and barley improvement. <i>Israel Journal of Plant Sciences</i> , 2015 , 62, 22-32	0.6	17
126	Activity of free-living subterranean blind mole rats <i>Spalax galili</i> (Rodentia: Spalacidae) in an area of supposed sympatric speciation. <i>Biological Journal of the Linnean Society</i> , 2016 , 118, 280-291	1.9	17
125	Physiological and Molecular Responses to Salt Stress in Wild Emmer and Cultivated Wheat. <i>Plant Molecular Biology Reporter</i> , 2013 , 31, 1212-1219	1.7	17
124	Fluctuating Asymmetry of Plant Leaves: Batch Processing with LAMINA and Continuous Symmetry Measures. <i>Symmetry</i> , 2015 , 7, 255-268	2.7	17
123	Developmental instability of vascular plants in contrasting microclimates at Evolution Canyon, Israel. <i>Biological Journal of the Linnean Society</i> , 2011 , 102, 786-797	1.9	17
122	An extracellular region of the erythropoietin receptor of the subterranean blind mole rat <i>Spalax ehrenbergi</i> enhances receptor maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14360-5	11.5	17
121	Differential patterns of germination and desiccation tolerance of mesic and xeric wild barley (<i>Hordeum spontaneum</i>) in Israel. <i>Journal of Arid Environments</i> , 2004 , 56, 95-105	2.5	17

120	Scorpion biodiversity and interslope divergence at "evolution canyon", lower Nahal Oren microsite, Mt. Carmel, Israel. <i>PLoS ONE</i> , 2009 , 4, e5214	3.7	17
119	Adaptive methylation regulation of p53 pathway in sympatric speciation of blind mole rats, Spalax. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2146-51	11.5	16
118	Antioxidant activity in Spalax ehrenbergi: a possible adaptation to underground stress. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006 , 192, 753-9	2.3	16
117	Microsatellite diversity in populations of blind subterranean mole rats (Spalax ehrenbergi superspecies) in Israel: speciation and adaptation. <i>Biological Journal of the Linnean Society</i> , 2004 , 83, 229-241	1.9	16
116	Associations of canopy leaf traits with SNP markers in durum wheat (Triticum turgidum L. durum (Desf.)). <i>PLoS ONE</i> , 2018 , 13, e0206226	3.7	16
115	Fighting Pathogens in the Era of Climate Change: A Conceptual Approach. <i>Pathogens</i> , 2020 , 9,	4.5	15
114	Revision of Entyloma (Entylomatales, Exobasidiomycetes) on Eryngium. <i>Mycologia</i> , 2014 , 106, 797-810	2.4	15
113	Evolution of wild wheat and barley and crop improvement: Studies at the Institute of Evolution. <i>Israel Journal of Plant Sciences</i> , 2007 , 55, 251-262	0.6	15
112	Soil microfungus communities of Evolution Canyons in Israel - extreme differences on a regional scale. <i>Biological Journal of the Linnean Society</i> , 2007 , 93, 157-163	1.9	15
111	Mole rat hemoglobin: primary structure and evolutionary aspects in a second karyotype of Spalax ehrenbergi, Rodentia, (2n = 52). <i>Biological Chemistry Hoppe-Seyler</i> , 1985 , 366, 679-85		15
110	Habitat selection in evolving mole rats. <i>Oecologia</i> , 1979 , 43, 125-138	2.9	15
109	Functional Diversity of p53 in Human and Wild Animals. <i>Frontiers in Endocrinology</i> , 2019 , 10, 152	5.7	14
108	Rapid linkage disequilibrium decay in the Lr10 gene in wild emmer wheat (Triticum dicoccoides) populations. <i>Theoretical and Applied Genetics</i> , 2011 , 122, 175-87	6	14
107	Genetic diversity and stress of Ricotia lunaria in "Evolution Canyon," Israel. <i>Journal of Heredity</i> , 2009 , 100, 432-40	2.4	14
106	Analysis of adaptive ribosomal gene diversity in wild plant populations from contrasting climatic environments. <i>Plant Signaling and Behavior</i> , 2012 , 7, 602-4	2.5	14
105	Mapping of the eibi1 gene responsible for the drought hypersensitive cuticle in wild barley (Hordeum spontaneum). <i>Breeding Science</i> , 2009 , 59, 21-26	2	14
104	Extraordinary multilocus genetic organization in mole crickets, Gryllotalpidae. <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 586-605	3.8	14
103	CYCLICAL ENVIRONMENTAL CHANGES AS A FACTOR MAINTAINING GENETIC POLYMORPHISM. 2. DIPLOID SELECTION FOR AN ADDITIVE TRAIT. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1432-1441	3.8	14

102	POPULATION STRUCTURE AND EVOLUTION IN SUBTERRANEAN MOLE RATS. <i>Evolution; International Journal of Organic Evolution</i> , 1982 , 36, 1283-1289	3.8	14
101	Evolution of rapid blue-light response linked to explosive diversification of ferns in angiosperm forests. <i>New Phytologist</i> , 2021 , 230, 1201-1213	9.8	14
100	An eceriferum locus, cer-zv, is associated with a defect in cutin responsible for water retention in barley (<i>Hordeum vulgare</i>) leaves. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 637-46	6	13
99	The Effect of the Medicinal Mushrooms <i>Agaricus brasiliensis</i> and <i>Ganoderma lucidum</i> (Higher Basidiomycetes) on the Erythron System in Normal and Streptozotocin-Induced Diabetic Rats. <i>International Journal of Medicinal Mushrooms</i> , 2015 , 17, 277-86	1.3	13
98	Wheat Evolution, Domestication, and Improvement 3-30		13
97	Ac-like transposons in populations of wild diploid Triticeae species: comparative analysis of chromosomal distribution. <i>Chromosome Research</i> , 2006 , 14, 307-17	4.4	13
96	Ribosomal DNA polymorphism and its association with geographical and climatic variables in 27 wild barley populations from Jordan. <i>Plant Science</i> , 2004 , 166, 467-477	5.3	13
95	The lens protein alpha-B-crystallin of the blind subterranean mole-rat: high homology with sighted mammals. <i>Gene</i> , 2001 , 264, 45-9	3.8	13
94	Spiny mice modulate eumelanin to pheomelanin ratio to achieve cryptic coloration in "evolution canyon," Israel. <i>PLoS ONE</i> , 2010 , 5, e8708	3.7	13
93	Evolution of Wild Barley and Barley Improvement 2013 , 1-23		13
92	Molecular structure of heparan sulfate from <i>Spalax</i> . Implications of heparanase and hypoxia. <i>Journal of Biological Chemistry</i> , 2009 , 284, 3814-22	5.4	12
91	Genetic analysis and ecological association of Hina genes based on single nucleotide polymorphisms (SNPs) in wild barley, <i>Hordeum spontaneum</i> . <i>Hereditas</i> , 2010 , 147, 18-26	2.4	12
90	Restoration of blood flow by using continuous perimuscular infiltration of plasmid DNA encoding subterranean mole rat <i>Spalax ehrenbergi</i> VEGF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4644-8	11.5	12
89	Mosaic Evolution of Subterranean Mammals: Tinkering, Regression, Progression, and Global Convergence 2007 , 375-388		12
88	Resistance gene analog polymorphisms (RGAPs) in wild emmer wheat (<i>Triticum dicoccoides</i>) and their ecological associations. <i>Genetic Resources and Crop Evolution</i> , 2009 , 56, 121-136	2	11
87	Enigmatic Flies: Is <i>Drosophila</i> in the "Evolution Canyon" A Model for Incipient Sympatric speciation?. <i>Israel Journal of Ecology and Evolution</i> , 2006 , 52, 507-525	0.8	11
86	Biodiversity and interslope divergence of vascular plants caused by sharp microclimatic differences at "Evolution Canyon II", Lower Nahal Keziv, Upper Galilee, Israel. <i>Israel Journal of Plant Sciences</i> , 2001 , 49, 285-296	0.6	11
85	Test of selection and neutrality in natural populations. <i>Nature</i> , 1973 , 244, 573-5	50.4	11

84	Antioxidant Effects of Medicinal Mushrooms <i>Agaricus brasiliensis</i> and <i>Ganoderma lucidum</i> (Higher Basidiomycetes): Evidence from Animal Studies. <i>International Journal of Medicinal Mushrooms</i> , 2015 , 17, 943-55	1.3	11
83	Natural selection causes adaptive genetic resistance in wild emmer wheat against powdery mildew at "Evolution Canyon" microsite, Mt. Carmel, Israel. <i>PLoS ONE</i> , 2015 , 10, e0122344	3.7	10
82	Adaptive microclimatic evolution of the dehydrin 6 gene in wild barley at "Evolution Canyon", Israel. <i>Genetica</i> , 2011 , 139, 1429-38	1.5	10
81	Genetic polymorphism of cyanobacteria under permanent natural stress: a lesson from the "Evolution Canyons". <i>Research in Microbiology</i> , 2003 , 154, 79-84	4	10
80	Cyclical Environmental Changes as a Factor Maintaining Genetic Polymorphism. 2. Diploid Selection for an Additive Trait. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1432	3.8	10
79	Natural selection causes microscale allozyme diversity in wild barley and a lichen at Evolution Canyon-Mt. Carmel, Israel		10
78	Increases in both acute and chronic temperature potentiate tocotrienol concentrations in wild barley at 'Evolution Canyon'. <i>Chemistry and Biodiversity</i> , 2013 , 10, 1696-705	2.5	9
77	Ecological genomics of natural plant populations: the Israeli perspective. <i>Methods in Molecular Biology</i> , 2009 , 513, 321-44	1.4	9
76	Enzymatic System of Antioxidant Protection of Erythrocytes in Diabetic Rats Treated with Medicinal Mushrooms <i>Agaricus brasiliensis</i> and <i>Ganoderma lucidum</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2017 , 19, 697-708	1.3	9
75	Adaptive signals of flowering time pathways in wild barley from Israel over 28 generations. <i>Heredity</i> , 2020 , 124, 62-76	3.6	9
74	The Institute of Evolution Wild Cereal Gene Bank at the University of Haifa. <i>Israel Journal of Plant Sciences</i> , 2018 , 65, 129-146	0.6	9
73	Population-genetic analysis of HvABCG31 promoter sequence in wild barley (<i>Hordeum vulgare</i> ssp. <i>spontaneum</i>). <i>BMC Evolutionary Biology</i> , 2012 , 12, 188	3	8
72	Transcriptome comparative profiling of barley eibi1 mutant reveals pleiotropic effects of HvABCG31 gene on cuticle biogenesis and stress responsive pathways. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 20478-91	6.3	8
71	Genomic, RNA, and ecological divergences of the Revolver transposon-like multi-gene family in Triticeae. <i>BMC Evolutionary Biology</i> , 2011 , 11, 269	3	8
70	Evidence for multiple lateral transfers of the circadian clock cluster in filamentous heterocystic cyanobacteria Nostocaceae. <i>Journal of Molecular Evolution</i> , 2004 , 58, 341-7	3.1	8
69	A green cone-like pigment in the 'blind' mole-rat <i>Spalax ehrenbergi</i> : functional expression and photochemical characterization. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 1287-91	4.2	8
68	Yeast interslope divergence in soils and plants of "Evolution Canyon", Lower Nahal Oren, Mount Carmel, Israel. <i>Israel Journal of Plant Sciences</i> , 2003 , 51, 55-57	0.6	8
67	Variation in <i>Drosophila</i> sensory bristle number at 'Evolution Canyon'. <i>Genetical Research</i> , 2002 , 80, 215-231		8

66	Genetic Diversity 2001 , 195-213		8
65	Circadian rhythm and the per ACNNGN repeat in the mole rat, <i>Spalax ehrenbergi</i> . <i>Behavior Genetics</i> , 1996 , 26, 177-84	3.2	8
64	Niche adaptation in two marine gastropods, <i>Monodonta turbiformis</i> and <i>M. turbinata</i> . <i>Bollettino Di Zoologia</i> , 1992 , 59, 297-302		8
63	Ribosomal DNA non-transcribed spacer polymorphism in subterranean mole rats: genetic differentiation, environmental correlates and phylogenetic relationships. <i>Evolutionary Ecology</i> , 1988 , 2, 139-156	1.8	8
62	Sensitivity of primary fibroblasts in culture to atmospheric oxygen does not correlate with species lifespan. <i>Aging</i> , 2016 , 8, 841-7	5.6	8
61	Transposon-triggered innate immune response confers cancer resistance to the blind mole rat. <i>Nature Immunology</i> , 2021 , 22, 1219-1230	19.1	8
60	Distribution of abundance and genome size variability in the grain beetle <i>Oryzaephilus surinamensis</i> (Linnaeus, 1758) (Coleoptera: Silvanidae). <i>Zoology in the Middle East</i> , 2008 , 45, 79-90	0.7	7
59	On The Necessity to Study Natural Bacterial Populations-The Model of <i>Bacillus Simplex</i> From "Evolution Canyons" I and II, Israel. <i>Israel Journal of Ecology and Evolution</i> , 2006 , 52, 527-542	0.8	7
58	MtDNA polymorphisms: evolutionary significance in adaptation and speciation of subterranean mole rats. <i>Biological Journal of the Linnean Society</i> , 1992 , 47, 385-405	1.9	7
57	Genetic targeting of candidate genes for drought sensitive gene <i>eibi1</i> of wild barley (<i>Hordeum spontaneum</i>). <i>Breeding Science</i> , 2009 , 59, 637-644	2	7
56	Growth and asymmetry of soil microfungial colonies from "Evolution Canyon," Lower Nahal Oren, Mount Carmel, Israel. <i>PLoS ONE</i> , 2012 , 7, e34689	3.7	7
55	. <i>Heredity</i> , 2001 , 86, 738-742	3.6	7
54	Current Progress in Understanding and Recovering the Wheat Genes Lost in Evolution and Domestication. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
53	Genomic divergence and adaptive convergence in from Evolution Canyon, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11839-11844	11.5	6
52	Development of microsatellite markers in the oil-producing species <i>Vernicia fordii</i> (Euphorbiaceae), a potential biodiesel feedstock. <i>Applications in Plant Sciences</i> , 2013 , 1, 1200004	2.3	6
51	Genome size microscale divergence of <i>Cyclamen persicum</i> in Evolution Canyon, Israel. <i>Open Life Sciences</i> , 2008 , 3, 83-90	1.2	6
50	Adaptive ribosomal DNA polymorphism in wild barley at a mosaic microsite, Newe Ya'ar in Israel. <i>Plant Science</i> , 2004 , 166, 1555-1563	5.3	6
49	The Effect of <i>Agaricus brasiliensis</i> and <i>Ganoderma lucidum</i> Medicinal Mushroom Administration on the L-arginine/Nitric Oxide System and Rat Leukocyte Apoptosis in Experimental Type 1 Diabetes Mellitus. <i>International Journal of Medicinal Mushrooms</i> , 2015 , 17, 339-50	1.3	6

48	Bulked segregant CGT-Seq-facilitated map-based cloning of a powdery mildew resistance gene originating from wild emmer wheat (<i>Triticum dicoccoides</i>). <i>Plant Biotechnology Journal</i> , 2021 , 19, 1288-1290	11.6	6
47	Elevated mutation and selection in wild emmer wheat in response to 28 years of global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20002-20008	11.5	6
46	Genetic mapping of a novel powdery mildew resistance gene in wild emmer wheat from "Evolution Canyon" in Mt. Carmel Israel. <i>Theoretical and Applied Genetics</i> , 2021 , 134, 909-921	6	6
45	Reply to: Transformation of naked mole-rat cells. <i>Nature</i> , 2020 , 583, E8-E13	50.4	5
44	Putative adaptive inter-slope divergence of transposon frequency in fruit flies (<i>Drosophila melanogaster</i>) at "Evolution Canyon", Mount Carmel, Israel. <i>Biology Direct</i> , 2015 , 10, 58	7.2	5
43	TdCBL6, a calcineurin B-like gene from wild emmer wheat (<i>Triticum dicoccoides</i>), is involved in response to salt and low-K ⁺ stresses. <i>Molecular Breeding</i> , 2015 , 35, 1	3.4	5
42	They live in the land down under: thyroid function and basal metabolic rate in the Blind Mole Rat, Spalax. <i>Endocrine Research</i> , 2014 , 39, 79-84	1.9	5
41	Can chimpanzee biology highlight human origin and evolution?. <i>Rambam Maimonides Medical Journal</i> , 2010 , 1, e0009	1.8	5
40	Lipid profile and serum characteristics of the blind subterranean mole rat, Spalax. <i>PLoS ONE</i> , 2009 , 4, e4528	3.7	5
39	Genomic Organization and Molecular Evolution of the Genes for Neuroglobin and Cytoglobin in the Hypoxiatolerant Israeli Mole Rat, Spalax Carmeli. <i>Israel Journal of Ecology and Evolution</i> , 2006 , 52, 389-403	0.8	5
38	Adaptive oxidative stress in yeast <i>Saccharomyces cerevisiae</i> : interslope genetic divergence in Evolution Canyon. <i>Biological Journal of the Linnean Society</i> , 2004 , 84, 103-117	1.9	5
37	Transcriptomes Divergence of Between the Two Micro-Climatic Divergent Slopes at "Evolution Canyon" I, Israel. <i>Frontiers in Genetics</i> , 2018 , 9, 506	4.5	5
36	Aggression and courtship differences found in <i>Drosophila melanogaster</i> from two different microclimates at Evolution Canyon, Israel. <i>Scientific Reports</i> , 2019 , 9, 4084	4.9	4
35	Structural Changes of Erythrocyte Surface Glycoconjugates after Treatment with Medicinal Mushrooms. <i>International Journal of Medicinal Mushrooms</i> , 2015 , 17, 867-78	1.3	4
34	New records of leaf beetles from Israel. <i>Phytoparasitica</i> , 1997 , 25, 337-338	1.5	4
33	Population Genetic Structure of Wild Barley and Wheat in the Near East Fertile Crescent: Regional and Local Adaptive Patterns 2004 , 135-163		4
32	Development of Microsatellite Markers in Tung Tree (<i>Vernicia fordii</i>) Using Cassava Genomic Sequences. <i>Plant Molecular Biology Reporter</i> , 2015 , 33, 893-904	1.7	3
31	Comparative analysis of algal biodiversity in the rivers of Israel. <i>Open Life Sciences</i> , 2011 , 6, 246-259	1.2	3

30	Mode, tempo and pattern of evolution in subterranean mole rats of the <i>Spalax ehrenbergi</i> superspecies in the quaternary of Israel. <i>Quaternary International</i> , 1993 , 19, 13-19	2	3
29	Genome size variation in <i>Hordeum spontaneum</i> populations. <i>Genome</i> , 1999 , 42, 1094-1099	2.4	3
28	Fluctuating helical asymmetry and morphology of snails (Gastropoda) in divergent microhabitats at 'Evolution Canyons I and II,' Israel. <i>PLoS ONE</i> , 2012 , 7, e41840	3.7	3
27	Genome evolution of blind subterranean mole rats: Adaptive peripatric versus sympatric speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32499-32508	11.5	3
26	Multi-Omics Analysis Reveals the Mechanism Underlying the Edaphic Adaptation in Wild Barley at Evolution Slope (Tabigha). <i>Advanced Science</i> , 2021 , 8, e2101374	13.6	3
25	Solar Radiation-Associated Adaptive SNP Genetic Differentiation in Wild Emmer Wheat,. <i>Frontiers in Plant Science</i> , 2017 , 8, 258	6.2	2
24	Adaptive evolution of α -amylase genes in wild barley (<i>Hordeum spontaneum</i>) on micro and macro scales. <i>Journal of Systematics and Evolution</i> , 2014 , 52, 765-778	2.9	2
23	Natural Variation in Grain Iron and Zinc Concentrations of Wild Barley, <i>Hordeum spontaneum</i> , Populations from Israel 2013 , 169-183		2
22	Microsatellite Diversity in Natural Populations of Ascomycetous Fungus, <i>Emericella nidulans</i> , from Different Climatic-Edaphic Conditions in Israel. <i>Israel Journal of Ecology and Evolution</i> , 2010 , 56, 119-134	0.8	2
21	Wild Barley Harbinger of biodiversity. <i>Biodiversity</i> , 2010 , 11, 19-25	0.7	2
20	Darwinian Evolution: Evolution in Action Across Life at "Evolution Canyon", Israel. <i>Israel Journal of Ecology and Evolution</i> , 2009 , 55, 215-225	0.8	2
19	Note: Melanopsin Evolution: Seeing Light in Darkness by the Blind Subterranean Mole Rat, <i>Spalax Ehrenbergi</i> Superspecies. <i>Israel Journal of Ecology and Evolution</i> , 2007 , 53, 81-84	0.8	2
18	SPECIES DIVERSITY OF SOIL MICROMYCETES IN TWO CONTRASTING SOILS AT THE TABIGHA MICROSITE (ISRAEL). <i>Israel Journal of Plant Sciences</i> , 2000 , 48, 309-315	0.6	2
17	GENETIC RESOURCES OF WILD EMMER, TRITICUM DICOCOIDEOS, FOR WHEAT IMPROVEMENT IN THE THIRD MILLENNIUM. <i>Israel Journal of Plant Sciences</i> , 2001 , 49, 77-92	0.6	2
16	Aldolase DNA polymorphism in subterranean mole-rats: genetic differentiation and environmental correlates. <i>Heredity</i> , 1990 , 65 (Pt 3), 307-20	3.6	2
15	Adaptation of mammals to hypoxia.. <i>Animal Models and Experimental Medicine</i> , 2021 , 4, 311-318	4.2	2
14	Sperm size evolution in <i>Drosophila</i> : inter- and intraspecific analysis. <i>Contemporary Issues in Genetics and Evolution</i> , 2004 , 233-244		2
13	Dampened PI3K/AKT signaling contributes to cancer resistance of the naked mole rat		2

12	SNP-based association study of kernel architecture in a worldwide collection of durum wheat germplasm. <i>PLoS ONE</i> , 2020 , 15, e0229159	3.7	1
11	Ernst Mayr (1904-2005): evolutionary leader, protagonist, and visionary. <i>Theoretical Population Biology</i> , 2006 , 70, 105-10	1.2	1
10	Dermestid beetles in Evolution Canyon—Lower Nahal Oren, Mt. Carmel, including new records for Israel. <i>Phytoparasitica</i> , 2001 , 29, 97-101	1.5	1
9	Genetic Diversity 2001 , 662-677		1
8	W. D. Hamilton—evolutionary theorist: life and vision (1936-2000). <i>Theoretical Population Biology</i> , 2001 , 59, 21-5	1.2	1
7	Heat Shock Proteins in Wild Barley at Evolution Canyon—Mount Carmel, Israel. <i>Heat Shock Proteins</i> , 2016 , 79-102	0.2	1
6	Evolution Canyons model: biodiversity, adaptation, and incipient sympatric ecological speciation across life: a revisit 2021 , 291-348		1
5	Comparative transcriptome profile of the leaf elongation zone of wild barley (<i>Hordeum spontaneum</i>) eibi1 mutant and its isogenic wild type. <i>Genetics and Molecular Biology</i> , 2017 , 40, 834-843 ²		
4	Biodiversity and microclimatic divergence of chrysomelid beetles at Evolution Canyon—Lower Nahal Oren, Mt Carmel, Israel. <i>Biological Journal of the Linnean Society</i> , 2000 , 69, 139-152	1.9	
3	Global Warming and Evolution of Wild Cereals44-60		
2	Evolutionary agriculture domestication of wild emmer wheat 2021 , 193-255		
1	Evolution of Communication Systems Underground in a Blind Mammal, Spalax. <i>Animal Signals and Communication</i> , 2022 , 359-386	1.4	