CITATION REPORT List of articles citing

Biogenic magnetite as a basis for magnetic field detection in animals

DOI: 10.1016/0303-2647(81)90060-5 BioSystems, 1981, 13, 181-201.

Source: https://exaly.com/paper-pdf/15372401/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
364	Biomagnetic Monitoring of Atmospheric Pollution: A Review of Magnetic Signatures from Biological Sensors.		
363	The horizontal magnetic dance of the honeybee is compatible with a single-domain ferromagnetic magnetoreceptor. <i>BioSystems</i> , 1981 , 14, 193-203	1.9	40
362	Geomagnetic field detection by yellowfin tuna. 1982,		4
361	Paleomagnetic evidence for fossil biogenic magnetite in western Crete. 1982 , 59, 388-392		59
360	Birds, bees and magnetism. 1982 , 5, 160-167		36
359	The map sense of pigeons. 1982 , 296, 205-211		154
358	Magnetic bones in human sinuses. 1983 , 301, 78-80		49
357	Biomagnetic geomagnetism. 1983 , 21, 672		8
356	Magnetic Field Orientation of Migratory Savannah Sparrows With Different First Summer Experience. 1983 , 87, 43-52		54
355	A Candidate Magnetic Sense Organ in the Yellowfin Tuna, Thunnus albacares. <i>Science</i> , 1984 , 224, 751-3	33.3	111
354	Magnetic orientation and magnetically sensitive material in a transequatorial migratory bird. 1984 , 309, 151-153		98
353	Learned magnetic field discrimination in yellowfin tuna, Thunnus albacares. 1984 , 155, 673-679		86
352	Magnetic fields abolish the enhanced nocturnal analgesic response to morphine in mice. 1984 , 32, 261-4	4	75
351	Magnetic material in European eel (Anguilla anguilla L.). 1984 , 77, 221-224		18
350	Magnetic guidance of organisms. 1984 , 13, 85-103		189
349	Mechanisms of Migration in Fishes. 1984,		15
348	Signal magnetite and direction finding. 1984 , 15, 30-36		6

(1985-1985)

347	Conditioned responding to magnetic fields by honeybees. 1985 , 157, 67-71	68
346	Chains of single-domain magnetite particles in chinook salmon,Oncorhynchus tshawytscha. 1985 , 157, 375-381	70
345	SENSORY BIOPHYSICS OF MARINE MAMMALS. 1985 , 1, 219-260	100
344	Behavioural responses of European silver eels(Anguilla anguilla) to the geomagnetic field. 1985 , 39, 71-81	9
343	Biomolecules and Polymers in High Steady Magnetic Fields. 1985, 143-204	90
342	Exposure to rotating magnetic fields alters morphine-induced behavioral responses in two strains of mice. 1985 , 24, 337-40	32
341	An Introduction to the Use of SQUID Magnetometers in Biomagnetism. 1985 , 103-151	14
340	Possible Biogenic Magnetite Fossils from the Late Miocene Potamida Clays of Crete. 1985 , 647-669	25
339	Ferrimagnetic Properties of Magnetite. 1985 , 17-41	21
338	Detection, Extraction, and Characterization of Biogenic Magnetite. 1985 , 155-166	12
337	Are Animal Maps Magnetic?. 1985, 257-268	14
336	Energetics and Sensitivity Considerations of Ferromagnetic Magnetoreceptors. 1985 , 233-242	6
335	Particle-Size Considerations for Magnetite-Based Magnetoreceptors. 1985 , 243-254	50
334	Magnetic Remanence and Response to Magnetic Fields in Crustacea. 1985 , 365-383	1
333	Magnetoreception and Biomineralization of Magnetite Fish. 1985, 417-437	11
332	Magnetic Field Sensitivity in Honeybees. 1985 , 385-406	14
331	Magnetoreception and Biomineralization of Magnetite in Cetaceans. 1985 , 489-507	18
330	Avian Navigation, Geomagnetic Field Sensitivity, and Biogenic Magnetite. 1985 , 455-482	6

329	Magnetoreception and the Search for Magnetic Material in Rodents. 1985, 509-533	5
328	Magnetoreception by Man and Other Primates. 1985, 537-561	6
327	A Cautionary Note on Magnetoreception in Dowsers. 1985 , 609-610	
326	Attempts to train goldfish to respond to magnetic field stimuli. 1986 , 73, 12-6	12
325	Development of chick embryos in 1 Hz to 100 kHz magnetic fields. 1986 , 25, 135-40	59
324	Two magnetoreception pathways in a migratory salamander. <i>Science</i> , 1986 , 233, 765-7	3 142
323	The sensory bases of animal navigation. 1986 , 17, 10-16	1
322	Biomagnetism: An Orientation Mechanism in Migrating Insects?. 1987 , 70, 277	11
321	Magnetic effects on tail-fin melanophores of Xenopus laevis tadpoles in vitro. 1987 , 74, 441-3	12
320	Magnetic particles in European eel (Anguilla Anguilla) and carp (Cyprinus Carpio). Magnetic susceptibility and remanence. 1987 , 66, 1-7	4
319	Bursts of magnetic fields induce jumps of misdirection in bees by a mechanism of magnetic resonance. 1988 , 162, 279-284	10
318	Magnetic fields inhibit opioid-mediated 'analgesic' behaviours of the terrestrial snail, Cepaea nemoralis. 1988 , 162, 551-8	39
317	Current Ornithology. 1988,	
316	Preparation and Properties of Well-Defined Magnetic Particles. 1989 , 14, 35-40	68
315	Orientation of rainbow trout (Salmo gairdneri) in normal and null magnetic fields. 1989, 67, 641-643	35
314	Magnetite biomineralization and geomagnetic sensitivity in higher animals: an update and recommendations for future study. <i>Bioelectromagnetics</i> , 1989 , 10, 239-59	83
313	Conditioning analysis of magnetoreception in honeybees. <i>Bioelectromagnetics</i> , 1989 , 10, 261-75	19
312	Magnetic Orientation in a Small Mammal, Peromyscus leucopus. 1989 , 70, 1-9	23

311	stimuli 1989 , 103, 62-69	25
310	. 1990 , 26, 1554-1556	13
309	Sensory basis of bird orientation. 1990 , 46, 372-8	18
308	Possible mechanism of biomagnetic sense organ extracted from sockeye salmon. 1990 ,	
307	Magnetic particles in the lateral line of the Atlantic salmon (Salmo salar L.). 1990, 329, 11-15	44
306	Modulation of spike frequencies by varying the ambient magnetic field and magnetite candidates in bees (Apis mellifera). 1991 , 100, 975-85	20
305	Opioid Systems and Magnetic Field Effects in the Land Snail, Cepaea nemoralis. 1991 , 180, 301-309	61
304	Production of Magnetite Particles in Microorganisms. 1991 , 77, 746-751	2
303	Is Geomagnetic Sensitivity Real? Replication of the Walker-Bitterman Magnetic Conditioning Experiment in Honey Bees. 1991 , 31, 169-186	59
302	Comment on "Constraints on biological effects of weak extremely-low-frequency electromagnetic fields". 1992 , 46, 2178-2184	69
301	Natural and Induced Remanent Magnetism in Birds. 1992 , 109, 43-56	14
300	Wavelength specific effects of light on magnetic compass orientation of the eastern red-spotted newt Notophthalmus viridescens. 1992 , 4, 33-42	37
299	Navigational systems develop along similar lines in amphibians, reptiles, and birds. 1992 , 4, 43-51	13
298	Magnetic particles in chum salmon (Oncorhynchus keta): extraction and transmission electron microscopy. 1992 , 70, 874-877	21
297	Uniform magnetic fields and double-wrapped coil systems: improved techniques for the design of bioelectromagnetic experiments. <i>Bioelectromagnetics</i> , 1992 , 13, 401-11	248
296	Magnetite in human tissues: a mechanism for the biological effects of weak ELF magnetic fields. Bioelectromagnetics, 1992, Suppl 1, 101-13	106
295	The magnetic and electric fields induced by superparamagnetic magnetite in honeybees. 1993 , 69, 7-17	9
294	Highly directional swimming by scalloped hammerhead sharks, Sphyrna lewini, and subsurface irradiance, temperature, bathymetry, and geomagnetic field. 1993 , 117, 1-22	175

Birds lost in the red. 1993, 364, 491-492 293 2 A Model Avian Compass Based upon a Magnetite Null Detector. 1993, 46, 359-363 292 Possible Mechanisms for Biological Effects of Weak ELF Electromagnetic Fields. 1994, 109-130 291 1 On the effectiveness of magnetotactic bacteria for visualizations of magnetic domains. 1994, 133, 409-412 290 4 NEW ZEALAND HERD STRANDING SITES DO NOT RELATE TO GEOMAGNETIC TOPOGRAPHY. 1994, 289 11 10.195-207 Magnetoreception in honeybees. Science, 1994, 265, 95-7 288 82 33.3 287 Cell membrane biochemistry and neurobiological approach to biomagnetism. 1994, 44, 517-601 61 286 Magnetic orientation and magnetoreception in birds. 1994, 42, 449-73 21 Magnetic field effects on stress-induced analgesia in mice: modulation by light. 1994, 182, 147-50 285 40 284 . 1995, 31, 938-949 26 Magnetic field effects on biomolecules, cells, and living organisms. BioSystems, 1995, 36, 187-229 283 1.9 84 Magnetic field effects on spatial discrimination and melatonin levels in mice. 1995, 58, 535-7 282 17 Destruction of human immunodeficiency-infected cells by ferrofluid particles manipulated by an 281 external magnetic field: mechanical disruption and selective introduction of cytotoxic or 7 antiretroviral substances into target cells. 1996, 46, 5-12 Effect of Wavelength of Light and Pulse Magnetisation on Different Magnetoreception Systems in 280 61 a Migratory Bird. 1997, 45, 189 Pigeon Homing: Effects of Magnetic Pulses on Initial Orientation. 1997, 114, 405-415 65 279 278 Structure and function of the vertebrate magnetic sense. 1997, 390, 371-6 343 Sensory bases of navigation. 1998, 8, R731-8 277 54 Magnetite biomineralization in termites. 1998, 265, 733-737 276 42

(2003-1999)

275	Diagenesis and remanence acquisition in the Cretaceous carbonate sediments of Monte Raggeto, southern Italy. 1999 , 151, 147-156	7
274	Monarch butterflies (Danaus plexippus L.) use a magnetic compass for navigation. 1999 , 96, 13845-6	29
273	The osmotic magnetometer: a new model for magnetite-based magnetoreceptors in animals. 1999 , 28, 380-392	69
272	Biological sensing of small field differences by magnetically sensitive chemical reactions. 2000 , 405, 707-9	80
271	Magnetite defines a vertebrate magnetoreceptor. 2000 , 406, 299-302	196
270	Electroporation of cells and tissues. 2000 , 28, 24-33	254
269	Structure, function, and use of the magnetic sense in animals (invited). 2000 , 87, 4653-4658	6
268	The neurobiology of magnetoreception in vertebrate animals. 2000 , 23, 153-9	105
267	A model for photoreceptor-based magnetoreception in birds. 2000 , 78, 707-18	801
266	Static and low-frequency magnetic field effects: health risks and therapies. 2000 , 63, 415-454	47
265	Off-axis electron holography of magnetotactic bacteria: magnetic microstructure of strains MV-1 and MS-1. 2001 , 13, 671-684	83
264	Magnetite-based magnetoreception. 2001 , 11, 462-7	278
263	Induced remanent magnetization of social insects. 2001 , 226-230, 2040-2041	8
262	Evidence for the use of magnetic cues in mound construction by the termite Amitermes meridionalis (Isoptera: Termitinae). 2002 , 50, 357	19
261	The magnetic sense and its use in long-distance navigation by animals. 2002, 12, 735-44	134
260	Ultrastructural analysis of a putative magnetoreceptor in the beak of homing pigeons. 2003, 458, 350-60	201
259	Anti-pressor effects of whole body exposure to static magnetic field on pharmacologically induced hypertension in conscious rabbits. <i>Bioelectromagnetics</i> , 2003 , 24, 139-47	37
258	Does an infrasonic acoustic shock wave resonance of the manganese 3+ loaded/copper depleted prion protein initiate the pathogenesis of TSE?. 2003 , 60, 797-820	8

257	A new model for a magnetoreceptor in homing pigeons based on interacting clusters of superparamagnetic magnetite. 2003 , 28, 647-652	79
256	Magnetic Navigation by an Avian Migrant?. 2003 , 423-432	21
255	Sensory Processing in Aquatic Environments. 2003,	31
254	Detection and Use of the Earth Magnetic Field by Aquatic Vertebrates. 2003, 53-74	15
253	Biomagnetism and Geomagnetic Field Detection by Organisms. 2003,	
252	Resonance effects indicate a radical-pair mechanism for avian magnetic compass. 2004 , 429, 177-80	419
251	Effect of stress and magnetic field on the heart activity of the Greenland seal Pagophilus groenlandicus. 2004 , 397, 277-80	
250	Elevated levels of ferrimagnetic metals in foodchains supporting the Guam cluster of neurodegeneration: do metal nucleated crystal contaminants [corrected] evoke magnetic fields that initiate the progressive pathogenesis of neurodegeneration?. 2004 , 63, 793-809	13
249	Magnetic Particles: Preparation, Properties, and Applications. 2004, 1-26	2
248	Definitive identification of magnetite nanoparticles in the abdomen of the honeybeeApis mellifera. 2005 , 17, 45-49	13
247	Comparative magnetic measurements on social insects. 2005 , 289, 442-444	7
246	Photochemistry and photobiology of cryptochrome blue-light photopigments: the search for a photocycle. 2005 , 81, 1291-304	99
245	The physics and neurobiology of magnetoreception. 2005 , 6, 703-12	284
244	Two different types of light-dependent responses to magnetic fields in birds. 2005 , 15, 1518-23	60
243	Decreased plasma levels of nitric oxide metabolites, angiotensin II, and aldosterone in spontaneously hypertensive rats exposed to 5 mT static magnetic field. <i>Bioelectromagnetics</i> , 2005 , 26, 161-72	31
242	Disruption of magnetic orientation in hatchling loggerhead sea turtles by pulsed magnetic fields. 2005 , 191, 475-80	43
241	Magnetic orientation and magnetoreception in birds and other animals. 2005, 191, 675-93	381
240	Magnetic compass orientation of migratory birds in the presence of a 1.315 MHz oscillating field. 2005 , 92, 86-90	138

239	Magnetrezeption bei Brieftauben. 2005 , 501-515	1
238	Magnetic orientation and navigation in marine turtles, lobsters, and molluscs: concepts and conundrums. 2005 , 45, 539-46	43
237	Complex magnetic fields enable static magnetic field cue use for rats in radial maze tasks. 2005 , 115, 625-48	5
236	Magnetic pulse affects a putative magnetoreceptor mechanism. 2005 , 89, 56-63	53
235	Mechanisms of magnetic orientation in birds. 2005 , 45, 565-73	43
234	Magnetic compass in the cornea: local anaesthesia impairs orientation in a mammal. <i>Journal of Experimental Biology</i> , 2006 , 209, 4747-50	49
233	Magnetoreception. 2006 , 25, 337-376	2
232	Bird navigation: what type of information does the magnetite-based receptor provide?. 2006 , 273, 2815-20	40
231	Magnetic maps in animals: a theory comes of age?. 2006 , 81, 327-47	80
230	The magnetic compass mechanisms of birds and rodents are based on different physical principles. Journal of the Royal Society Interface, 2006 , 3, 583-7 4.1	72
229	Magnetoreception. 2006 , 28, 157-68	150
228	The magnetic compass of domestic chickens, Gallus gallus. <i>Journal of Experimental Biology</i> , 2007 , 210, 2300-10	79
227	Magnetite-Based Magnetoreception in Higher Organisms. 2006, 301-314	1
226	Magnetoreception and Magnetosomes in Bacteria. 2007,	20
225	Magnetic Compass: A Useful Tool Underground. 2007 , 161-174	7
224	Magnetoreception in birds: different physical processes for two types of directional responses. 2007 , 1, 41-8	39
223	Theoretical analysis of an iron mineral-based magnetoreceptor model in birds. 2007, 93, 1493-509	52
222	Magnetoreception system in honeybees (Apis mellifera). <i>PLoS ONE</i> , 2007 , 2, e395 3.7	74

221	Light-dependent magnetoreception in birds: increasing intensity of monochromatic light changes the nature of the response. 2007 , 4, 5		31
220	Purified and sterilized magnetosomes from Magnetospirillum gryphiswaldense MSR-1 were not toxic to mouse fibroblasts in vitro. 2007 , 45, 75-81		96
219	References. 2007 , 837-947		
218	Magnetite-based magnetoreception: the effect of repeated pulsing on the orientation of migratory birds. 2007 , 193, 515-22		20
217	A novel concept of Fe-mineral-based magnetoreception: histological and physicochemical data from the upper beak of homing pigeons. 2007 , 94, 631-42		119
216	Homing pigeons (Columba livia f. domestica) can use magnetic cues for locating food. 2007 , 94, 813-9		19
215	Spontaneous preferences for magnetic compass direction in the American red-spotted newt, Notophthalmus viridescens (Salamandridae, Urodela). 2007 , 25, 177-184		15
214	Iron-mineral-based magnetoreception in birds: the stimulus conducting system. 2007, 148, 643-648		21
213	Magnetoreception in birds: two receptors for two different tasks. 2007, 148, 61-76		63
212	A model for encoding of magnetic field intensity by magnetite-based magnetoreceptor cells. 2008 , 250, 85-91		49
211	Cryptochrome mediates light-dependent magnetosensitivity in Drosophila. 2008, 454, 1014-8		306
210	Animal navigation: the longitude problem. 2008 , 18, R214-6		13
209	Orientation of birds in total darkness. 2008 , 18, 602-6		58
208	Animal navigation: the evolution of magnetic orientation. 2008 , 18, R482-4		26
207	Orientation and Navigation in Vertebrates. 2008,		15
206	[Proposal for magnetic/electromagnetic fields protection norms on national level]. 2008, 61, 147-50		
205	Magnetic-field effect on the photoactivation reaction of Escherichia coli DNA photolyase. 2008 , 105, 14395-9		109
204	Bats use magnetite to detect the earth's magnetic field. <i>PLoS ONE</i> , 2008 , 3, e1676	3.7	101

(2009-2009)

203	Avian orientation: the pulse effect is mediated by the magnetite receptors in the upper beak. 2009 , 276, 2227-32	41
202	Conditioning as a Technique for Studying the Sensory Systems Involved in Animal Orientation, Homing and Navigation & Review. 2009 , 62, 571-585	7
201	Neurobiology of IJmwelt□Research and Perspectives in Neurosciences, 2009,	8
200	Non-visual sensory physiology and magnetic orientation in the Blind Cave Salamander, Proteus anguinus (and some other cave-dwelling urodele species). Review and new results on light-sensitivity and non-visual orientation in subterranean urodeles (Amphibia). 2009 , 59, 351-384	21
199	Direkte Detektion eines lichtinduzierten Radikalpaars in einem Cryptochrom-Blaulichtrezeptor. 2009 , 121, 411-415	6
198	Direct observation of a photoinduced radical pair in a cryptochrome blue-light photoreceptor. 2009 , 48, 404-7	118
197	The puzzle of magnetic resonance effect on the magnetic compass of migratory birds. Bioelectromagnetics, 2009, 30, 402-10	33
196	Effects of pulsed magnetic field on the formation of magnetosomes in the Magnetospirillum sp. strain AMB-1. <i>Bioelectromagnetics</i> , 2010 , 31, 246-51	1
195	Neurobiology of the homing pigeona review. 2009 , 96, 1011-25	31
194	Primary processes in sensory cells: current advances. 2009 , 195, 1-19	14
193	Oscillating magnetic field disrupts magnetic orientation in Zebra finches, Taeniopygia guttata. 2009 , 6, 25	49
192	Visual but not trigeminal mediation of magnetic compass information in a migratory bird. 2009 , 461, 1274-7	199
191	Geomagnetic disturbances and animal activity in laboratory conditions. 2009, 54, 389-395	5
190	Magnetic particles associated with the lateral line of the European eel Anguilla anguilla. 2009 , 74, 1629-34	21
189	Iron-mineral-based magnetoreceptor in birds: polarity or inclination compass?. 2009 , 51, 161-172	18
188	The Physics of Geomagnetic-Field Transduction in Animals. 2009 , 45, 5259-5265	18
187	Avian Navigation. 2009 , 126, 717-743	58
186	Magnetic Sense in Animal Navigation. 2009 , 609-614	

185	Magnetic Nanocrystals in Organisms. 2009 , 5, 235-240		30
184	Extremely low-frequency electromagnetic fields disrupt magnetic alignment of ruminants. 2009 , 106, 5708-13		76
183	Chemical magnetoreception in birds: the radical pair mechanism. 2009 , 106, 353-60		374
182	Magnetoreception in birds: no intensity window in "fixed direction" responses. 2010 , 97, 37-42		3
181	Light-dependent orientation responses in animals can be explained by a model of compass cue integration. 2010 , 262, 129-41		20
180	Magnetoreception. 2010 , 20, R431-5		27
179	Avian magnetoreception: elaborate iron mineral containing dendrites in the upper beak seem to be a common feature of birds. <i>PLoS ONE</i> , 2010 , 5, e9231	3.7	99
178	Ant antennae: are they sites for magnetoreception?. Journal of the Royal Society Interface, 2010, 7, 143-	521	45
177	Magnetoreception in eusocial insects: an update. <i>Journal of the Royal Society Interface</i> , 2010 , 7 Suppl 2, S207-25	4.1	82
176	The Legacy of Alladi Ramakrishnan in the Mathematical Sciences. 2010 ,		4
176 175	The Legacy of Alladi Ramakrishnan in the Mathematical Sciences. 2010, Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010, 28, C2C26-C2C30		1
	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010 , 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of</i>	4.1	
175	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010 , 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of the Royal Society Interface</i> , 2010 , 7 Suppl 2, S163-77 Avian magnetite-based magnetoreception: a physiologist's perspective. <i>Journal of the Royal Society</i>	4.1	1
175 174	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010, 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S163-77 Avian magnetite-based magnetoreception: a physiologist's perspective. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S193-205 Differential effects of magnetic pulses on the orientation of naturally migrating birds. <i>Journal of</i>		1
175 174 173	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010, 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S163-77 Avian magnetite-based magnetoreception: a physiologist's perspective. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S193-205 Differential effects of magnetic pulses on the orientation of naturally migrating birds. <i>Journal of</i>	4.1	1 118 40
175 174 173	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010, 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S163-77 Avian magnetite-based magnetoreception: a physiologist's perspective. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S193-205 Differential effects of magnetic pulses on the orientation of naturally migrating birds. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1617-25	4.1	1 118 40 40
175 174 173 172	Fabrication of spin-polarized electron emitter with single <110>-oriented magnetite whisker. 2010, 28, C2C26-C2C30 Directional orientation of birds by the magnetic field under different light conditions. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S163-77 Avian magnetite-based magnetoreception: a physiologist's perspective. <i>Journal of the Royal Society Interface</i> , 2010, 7 Suppl 2, S193-205 Differential effects of magnetic pulses on the orientation of naturally migrating birds. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1617-25 Long-term memory in brain magnetite. 2010, 74, 254-7 Multifunctional Merkel cells: their roles in electromagnetic reception, finger-print formation, Reiki, epigenetic inheritance and hair form. 2010, 75, 162-8	4.1	1 118 40 40 28

167	The potential role of visual cues for microhabitat selection during the early life phase of a coral reef fish (Lutjanus fulviflamma). 2011 , 401, 118-125	31
166	Quantum effects in biology. 2011 , 3, 38-57	57
165	Mobile phone-induced honeybee worker piping. 2011 , 42, 270-279	41
164	Sunspot dynamics are reflected in human physiology and pathophysiology. 2011 , 11, 93-103	18
163	Carbonaceous chondrites as bioengineered comets. 2012,	
162	Bibliography. 2012 , 245-280	
161	ZFC/FC of oriented magnetic material in the Solenopsis interrupta head with antennae: characterization by FMR and SQUID. 2012 , 38, 607-21	4
160	Environmental magnetism: Principles and applications. 2012 , 50,	376
159	Primary processes in sensory cells: current advances. 2012 , 739, 32-58	1
158	Magnetic characterization of isolated candidate vertebrate magnetoreceptor cells. 2012 , 109, 12022-7	81
157	Molecular mechanisms of compartmentalization and biomineralization in magnetotactic bacteria. 2012 , 36, 232-55	196
156	The quantum Zeno effect immunizes the avian compass against the deleterious effects of exchange and dipolar interactions. <i>BioSystems</i> , 2012 , 107, 153-7	24
155	Does magnetoreception mediate biological effects of power-frequency magnetic fields?. 2012 , 417-418, 299-304	10
154	A radical sense of direction: signalling and mechanism in cryptochrome magnetoreception. 2013 , 38, 435-46	94
153	The magnetite-based receptors in the beak of birds and their role in avian navigation. 2013, 199, 89-98	53
152	Light reflection control in biogenic micro-mirror by diamagnetic orientation. 2013 , 29, 4328-34	37
151	Novel magnetic nanomaterials inspired by magnetotactic bacteria: Topical review. 2013 , 74, 133-172	102
150	A magnetic pulse does not affect homing pigeon navigation: a GPS tracking experiment. <i>Journal of Experimental Biology</i> , 2013 , 216, 2192-200	12

149	Formation of magnetite nanoparticles at low temperature: from superparamagnetic to stable single domain particles. <i>PLoS ONE</i> , 2013 , 8, e57070	3.7	90
148	Light-Activated Magnetic Compass in Birds. 2013 , 481-492		1
147	A strong magnetic pulse affects the precision of departure direction of naturally migrating adult but not juvenile birds. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20121047	4.1	37
146	References. 350-395		
145	Do chitons have a compass? Evidence for magnetic sensitivity in Polyplacophora. 2014 , 48, 3033-3045		4
144	Do leaf-cutter ants Atta colombica obtain their magnetic sensors from soil?. 2014 , 68, 55-62		9
143	Bio-inspired band gap engineering of zinc oxide by intracrystalline incorporation of amino acids. 2014 , 26, 477-81		69
142	Cryptochrome expression in the eye of migratory birds depends on their migratory status. <i>Journal of Experimental Biology</i> , 2014 , 217, 918-23	3	21
141	True navigation in birds: from quantum physics to global migration. 2014 , 293, 1-15		51
140	Magnetic fields and fish behavior. 2014 , 4, 222-231		24
139	Magneto-optical properties of biogenic photonic crystals in algae. 2014 , 115, 17B501		9
138	Magnetoreception in Mammals. 2014 , 45-88		21
137	Magnetic orientation of garden warblers (Sylvia borin) under 1.4 MHz radiofrequency magnetic field. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140451	4.1	32
136	Homing in the New Zealand eagle ray, Myliobatis tenuicaudatus. 2014 , 65, 306		O
135	Two-photon imaging of a magneto-fluorescent indicator for 3D optical magnetometry. 2015 , 23, 28022	2-30	6
134	Modeling magnetosensitive ion channels in the viscoelastic environment of living cells. 2015 , 92, 04271	1	10
133	Orientational behavior of animals with the geomagnetic field and mechanisms of magnetoreception. 2015 , 51, 752-765		4
132	Cryptochrome-dependent magnetic field effect on seizure response in Drosophila larvae. <i>Scientific Reports</i> , 2014 , 4, 5799	4.9	38

(2017-2015)

131	frequency-modulated radio frequency fields. <i>Scientific Reports</i> , 2015 , 4, 9917	4.9	44
130	Magnetic particle-mediated magnetoreception. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 0499	4.1	55
129	. 2016,		23
128	Weak Broadband Electromagnetic Fields are More Disruptive to Magnetic Compass Orientation in a Night-Migratory Songbird (Erithacus rubecula) than Strong Narrow-Band Fields. 2016 , 10, 55		55
127	Magnetoreception and Magnetotaxis. 2016 , 567-590		1
126	Effect of magnetic pulses on Caribbean spiny lobsters: implications for magnetoreception. <i>Journal of Experimental Biology</i> , 2016 , 219, 1827-32	3	19
125	Revealing the properties of the radical-pair magnetoreceptor using pulsed photo-excitation timed with pulsed rf. <i>BioSystems</i> , 2016 , 147, 35-9	1.9	
124	Validating a model for detecting magnetic field intensity using dynamic neural fields. 2016 , 408, 53-65		8
123	The circadecadal rhythm of oscillation of umbilical cord blood parameters correlates with geomagnetic activity - An analysis of long-term measurements (1999-2011). 2016 , 33, 1136-1147		6
122	The Radical-Pair Mechanism of Magnetoreception. 2016 , 45, 299-344		329
122	The Radical-Pair Mechanism of Magnetoreception. 2016 , 45, 299-344 A magnetic protein biocompass. 2016 , 15, 217-26		329 179
121	A magnetic protein biocompass. 2016 , 15, 217-26 Cetacean beachings correlate with geomagnetic disturbances in Earth's magnetosphere: an		
121	A magnetic protein biocompass. 2016 , 15, 217-26 Cetacean beachings correlate with geomagnetic disturbances in Earth's magnetosphere: an example of how astronomical changes impact the future of life. 2017 , 16, 163-175		179 7
121 120 119	A magnetic protein biocompass. 2016, 15, 217-26 Cetacean beachings correlate with geomagnetic disturbances in Earth's magnetosphere: an example of how astronomical changes impact the future of life. 2017, 16, 163-175 Biological Effects of Static Magnetic Fields. 2017,	97	179 7
121 120 119	A magnetic protein biocompass. 2016, 15, 217-26 Cetacean beachings correlate with geomagnetic disturbances in Earth's magnetosphere: an example of how astronomical changes impact the future of life. 2017, 16, 163-175 Biological Effects of Static Magnetic Fields. 2017, Molecular Mechanisms for Electromagnetic Field Biosensing. 2017, 51-79	97	179 7 29
121 120 119 118	A magnetic protein biocompass. 2016, 15, 217-26 Cetacean beachings correlate with geomagnetic disturbances in Earth's magnetosphere: an example of how astronomical changes impact the future of life. 2017, 16, 163-175 Biological Effects of Static Magnetic Fields. 2017, Molecular Mechanisms for Electromagnetic Field Biosensing. 2017, 51-79 The magnetic map sense and its use in fine-tuning the migration programme of birds. 2017, 203, 491-49. Magnetic activation in the brain of the migratory northern wheatear (Oenanthe oenanthe). 2017,	97	179 7 29 16

113	Biological cell as a soft magnetoelectric material: Elucidating the physical mechanisms underpinning the detection of magnetic fields by animals. 2017 , 96, 042404		13
112	The sensitivity of a radical pair compass magnetoreceptor can be significantly amplified by radical scavengers. <i>Scientific Reports</i> , 2017 , 7, 11640	4.9	39
111	Identifying Cellular and Molecular Mechanisms for Magnetosensation. 2017, 40, 231-250		24
110	Titanium and iron titanium oxide nanoparticles in antennae of the migratory ant Pachycondyla marginata: an alternative magnetic sensor for magnetoreception?. 2017 , 30, 541-548		7
109	Can a hybrid chemical-ferromagnetic model of the avian compass explain its outstanding sensitivity to magnetic noise?. <i>PLoS ONE</i> , 2017 , 12, e0173887	3.7	6
108	Zebrafish and medaka offer insights into the neurobehavioral correlates of vertebrate magnetoreception. 2018 , 9, 802		16
107	Criticality in collective behavior of biogenic single-domain nanomagnetites. 2018, 98,		1
106	Sensing Magnetic Fields with Magnetosensitive Ion Channels. 2018 , 18,		7
105	A multi-channel high-speed magnetic field detection system based on FPGA for transcranial magnetic stimulation. 2018 , 89, 065108		4
104	Magnetostratigraphy of the Reference Sections of the Cisuralian Series (Permian System). 2019 , 317-3	42	
103	Chemical compass behaviour at microtesla magnetic fields strengthens the radical pair hypothesis of avian magnetoreception. 2019 , 10, 3707		20
102	The Effects of Bio-inspired Electromagnetic Fields on Normal and Cancer Cells. 2019 , 16, 943-953		4
101	Marine Mammals. 2019,		23
100	The effects of dislocations on crystallographic twins and domain wall motion in magnetite at the Verwey transition. 2019 , 71, 5		6
99	Magnetoreception in birds. Journal of the Royal Society Interface, 2019, 16, 20190295	4.1	40
98	The rotating magnetocaloric effect as a potential mechanism for natural magnetic senses. <i>PLoS ONE</i> , 2019 , 14, e0222401	3.7	1
97	Biophysics of Vision. 2019 , 27-58		
96	Biophysics and Neurophysiology of the Sixth Sense. 2019 ,		2

95	Viability of superoxide-containing radical pairs as magnetoreceptors. 2019 , 151, 225101	21
94	Swimming with magnets: From biological organisms to synthetic devices. 2019 , 789, 1-54	47
93	Juxtaposed membranes underpin cellular adhesion and display unilateral cell division of multicellular magnetotactic prokaryotes. 2020 , 22, 1481-1494	17
92	Building science and radiofrequency radiation: What makes smart and healthy buildings. 2020 , 176, 106324	6
91	OLEDs as models for bird magnetoception: detecting electron spin resonance in geomagnetic fields. 2019 , 221, 92-109	11
90	Animal navigation: a noisy magnetic sense?. <i>Journal of Experimental Biology</i> , 2020 , 223,	12
89	Quadruple abnormal protein aggregates in brainstem pathology and exogenous metal-rich magnetic nanoparticles (and engineered Ti-rich nanorods). The substantia nigrae is a very early target in young urbanites and the gastrointestinal tract a key brainstem portal. 2020 , 191, 110139	20
88	Pulse magnetization elicits differential gene expression in the central nervous system of the Caribbean spiny lobster, Panulirus argus. 2020 , 206, 725-742	2
87	Magnetic Layer-by-Layer Assembly: From Linear Plasmonic Polymers to Oligomers. 2020 , 12, 16584-16591	4
86	Biogenic Metal Oxides. 2020 , 5,	6
86 85	Biogenic Metal Oxides. 2020, 5, On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020, 717, 136989	6 7
85	On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020 , 717, 136989	7
85 84	On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020 , 717, 136989 Toward Quantitative Bio-sensing with Nitrogen-Vacancy Center in Diamond. 2021 , 6, 2077-2107 Direct and Indirect Nucleation of Magnetite Nanoparticles from Solution Revealed by	7
85 84 83	On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020, 717, 136989 Toward Quantitative Bio-sensing with Nitrogen-Vacancy Center in Diamond. 2021, 6, 2077-2107 Direct and Indirect Nucleation of Magnetite Nanoparticles from Solution Revealed by Time-Resolved Raman Spectroscopy. 2021, 21, 3500-3510	7 16
85 84 83 82	On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020, 717, 136989 Toward Quantitative Bio-sensing with Nitrogen-Vacancy Center in Diamond. 2021, 6, 2077-2107 Direct and Indirect Nucleation of Magnetite Nanoparticles from Solution Revealed by Time-Resolved Raman Spectroscopy. 2021, 21, 3500-3510 Corneal sensitivity is required for orientation in free-flying migratory bats. 2021, 4, 522 Numerical tests of magnetoreception models assisted with behavioral experiments on American	7 16 0
85 84 83 82 81	On the biophysical mechanism of sensing upcoming earthquakes by animals. 2020, 717, 136989 Toward Quantitative Bio-sensing with Nitrogen-Vacancy Center in Diamond. 2021, 6, 2077-2107 Direct and Indirect Nucleation of Magnetite Nanoparticles from Solution Revealed by Time-Resolved Raman Spectroscopy. 2021, 21, 3500-3510 Corneal sensitivity is required for orientation in free-flying migratory bats. 2021, 4, 522 Numerical tests of magnetoreception models assisted with behavioral experiments on American cockroaches. Scientific Reports, 2021, 11, 12221 4-9 Effects of non-ionizing electromagnetic fields on flora and fauna, Part 2 impacts: how species	7 16 0 2

77	Magnetism, FeS Colloids, and Origins of Life. 2010 , 529-564	1
76	Migration and Navigation in Birds: A Present-State Survey with Some Digressions to Related Fish Behaviour. 1984 , 509-544	11
75	Magnetic Sensitivity and its Possible Physical Basis in the Yellowfin Tuna, Thunnus Albacares. 1984 , 125-141	2
74	Observations of Magnetosome Organization, Surface Structure, and Iron Biomineralization of Undescribed Magnetic Bacteria: Evolutionary Speculations. 1991 , 97-115	29
73	Magnetic Orientation in Birds. 1988, 67-121	89
72	Geomagnetic Sensitivity in Cetaceans: An Update With Live Stranding Records in the United States. 1990 , 639-649	7
71	Neuroethological aspects of avian orientation. 1991 , 60, 106-27	4
70	Magnetic orientation and the magnetic sense in arthropods. 1997 , 84, 187-213	12
69	Magnetite Nucleation and Growth. 2017 , 275-291	6
68	Is There Evidence for a Magnetic Map in Homing Pigeons?. 1982 , 99-108	22
67	A Comparative Approach to Bird Navigation: Implications of Parallel Studies on Mammals. 1982 , 308-312	3
66	Biogenic Magnetite in Higher Organisms and the Current Status of the Hypothesis of Ferrimagnetic Magnetoreception. 1986 , 180-188	4
65	The Effect of Ultrahigh Magnetic Fields on the Initial Orientation of Homing Pigeons. 1986, 189-193	10
64	The Geomagnetic Field and its Role in Directional Orientation. 2001 , 289-312	3
63	Biogenic Magnetite (Fe3O4): A Ferromagnetic Mineral in Bacteria, Animals, and Man. 1982, 135-138	2
62	Mineralization by Organisms and the Evolution of Biomineralization. 1983 , 191-203	47
61	On the Concept of a Single Crystal in Biomineralization. 1999 , 1-22	9
60	Encyclopedia of Estuaries. <i>Encyclopedia of Earth Sciences Series</i> , 2016 , 438-447 o	1

59	Detection of and Receptors for Magnetic Fields in Birds. 1994 , 241-260		6
58	Inhomogeneous ensembles of radical pairs in chemical compasses. <i>Scientific Reports</i> , 2016 , 6, 35443	4.9	6
57	Eyes are essential for magnetoreception in a mammal. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200513	4.1	4
56	Transduction of the Geomagnetic Field as Evidenced from Alpha-band Activity in the Human Brain.		1
55	Ferromagnetism in two mouse tumours. <i>Journal of Experimental Biology</i> , 1982 , 101, 321-326	3	7
54	Evidence from Strandings for Geomagnetic Sensitivity in Cetaceans. <i>Journal of Experimental Biology</i> , 1986 , 120, 1-24	3	82
53	Iron-containing cells in the honey-bee (Apis mellifera). I. Adult morphology and physiology. <i>Journal of Experimental Biology</i> , 1986 , 126, 375-387	3	24
52	Homing of magnetized and demagnetized pigeons. <i>Journal of Experimental Biology</i> , 1988 , 134, 27-41	3	19
51	Ultrastructure, morphology and organization of biogenic magnetite from sockeye salmon, Oncorhynchus nerka: implications for magnetoreception. <i>Journal of Experimental Biology</i> , 1988 , 140, 35-49	3	117
50	Production of single-domain magnetite throughout life by sockeye salmon, Oncorhynchus nerka. <i>Journal of Experimental Biology</i> , 1988 , 140, 51-63	3	53
49	Short Communication Attached Magnets Impair Magnetic Field Discrimination by Honeybees. Journal of Experimental Biology, 1989 , 141, 447-451	3	48
48	Short Cummunication: Honeybees can be Trained to Respond to very Small Changes in Geomagnetic Field Intensity. <i>Journal of Experimental Biology</i> , 1989 , 145, 489-494	3	86
47	An identifiable molluscan neuron responds to changes in earth-strength magnetic fields. <i>Journal of Experimental Biology</i> , 1991 , 161, 1-24	3	40
46	Behavioural evidence for the use of magnetic material in magnetoreception by a migratory bird. <i>Journal of Experimental Biology</i> , 1995 , 198, 141-146	3	77
45	Magnetic orientation of spiny lobsters in the ocean: experiments with undersea coil systems. Journal of Experimental Biology, 1995 , 198, 2041-2048	3	83
44	Measurement of the threshold sensitivity of honeybees to weak, extremely low-frequency magnetic fields. <i>Journal of Experimental Biology</i> , 1997 , 200, 1363-1368	3	55
43	Effect of a magnetic pulse on the orientation of silvereyes, zosterops l. lateralis, during spring migration. <i>Journal of Experimental Biology</i> , 1998 , 201, 3257-3261	3	50
42	Sources of magnetic sensory input to identified neurons active during crawling in the marine mollusc Tritonia diomedea. <i>Journal of Experimental Biology</i> , 1999 , 202, 3029-3036	3	27

41	Ferromagnetic material in the eastern red-spotted newt notophthalmus viridescens. <i>Journal of Experimental Biology</i> , 1999 , 202, 3155-3160	3	23
40	The case for light-dependent magnetic orientation in animals. <i>Journal of Experimental Biology</i> , 1999 , 202, 891-908	3	90
39	Magnetite-based magnetoreception in birds: the effect of a biasing field and a pulse on migratory behavior. <i>Journal of Experimental Biology</i> , 2002 , 205, 3031-3037	3	57
38	Bats respond to very weak magnetic fields. <i>PLoS ONE</i> , 2015 , 10, e0123205	3.7	9
37	Olfaction Contributes to Pelagic Navigation in a Coastal Shark. <i>PLoS ONE</i> , 2016 , 11, e0143758	3.7	18
36	Transduction of the Geomagnetic Field as Evidenced from alpha-Band Activity in the Human Brain. <i>ENeuro</i> , 2019 , 6,	3.9	49
35	Magnetoreception in birds: Different physical processes for two types of directional responses. 2007 , 1, 41-8		22
34	Orientation from open water to settlement habitats by coral reef fish: behavioral flexibility in the use of multiple reliable cues. <i>Marine Ecology - Progress Series</i> , 2013 , 493, 243-257	2.6	19
33	Characterizing the Effect of Static Magnetic Fields on <i>C. elegans</i> Using Microfluidics. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2015 , 06, 583-591	0.9	9
32	Possible magneto-mechanical and magneto-thermal mechanisms of ion channel activation in magnetogenetics. <i>ELife</i> , 2019 , 8,	8.9	19
31	Removal or component reversal of local geomagnetic field affects foraging orientation preference in migratory insect brown planthopper. <i>PeerJ</i> , 2021 , 9, e12351	3.1	0
30	Magnetische Orientierung. <i>Springer-Lehrbuch</i> , 2001 , 439-449	0.4	
29	The ordered arrangement of hair follicles (Foit lines) and reception of a geomagnetic field. <i>Bulletin of Siberian Medicine</i> , 2002 , 1, 112-118	0.4	
28	Dependence of Gravity Induced Absorption Changes on the Earth Magnetic Field as Measured during Parabolic Flight Campaigns. <i>Journal of Modern Physics</i> , 2013 , 04, 1546-1553	0.5	
27	A Potential Neural Substrate for Geomagnetic Sensibility in Cetaceans. 1990 , 31-38		
26	Structural and Morphological Characterization of Biogenic Magnetite Crystals. 1991 , 167-177		
25	Honeybees and Magnetoreception. <i>Science</i> , 1995 , 269, 1889-1889	33.3	1
24	Astronomical Influences on Biomagnetic Activity Some 120 MA ago: the Potential for Estimating the Evolution of Ancient Planetary Orbits within the Solar System. <i>International Astronomical Union Colloquium</i> , 1997 , 161, 245-252		

23	Biocomposites and Mineralized Tissues. <i>Biologically-inspired Systems</i> , 2015 , 91-210	0.7	О
22	Sensory Systems. 2019 , 177-217		
21	Possible Magneto-Mechanical and Magneto-Thermal Mechanisms of Ion Channel Activation by Iron-Loaded Ferritin in Magnetogenetics.		О
20	Eyes are essential for magnetoreception in a mammal.		
19	A magnet attached to the forehead disrupts magnetic compass orientation in a migratory songbird. <i>Journal of Experimental Biology</i> , 2021 , 224,	3	
18	Magnetoreception in Fishes. 2020 , 406-420		O
17	Orientation and Navigation in the Animal World. 2020 , 1689-1709		
16	Transduction Mechanisms in Magnetoreception. 2020 , 459-478		
15	Blind as a Bat? The Sensory Basis of Orientation and Navigation at Night. <i>Research and Perspectives in Neurosciences</i> , 2009 , 125-139		
	Chain-Like Structures of Biogenic and Nonbiogenic Magnetic Nanoparticles in Vascular Tissues		
14	Bioelectromagnetics, 2022 , 43, 119-143	1.6	3
13		1.6 40.5	9
	Bioelectromagnetics, 2022, 43, 119-143 Coupling of mechanical deformation and electromagnetic fields in biological cells. Reviews of		
13	Bioelectromagnetics, 2022, 43, 119-143 Coupling of mechanical deformation and electromagnetic fields in biological cells. Reviews of Modern Physics, 2022, 94,		9
13	Bioelectromagnetics, 2022, 43, 119-143 Coupling of mechanical deformation and electromagnetic fields in biological cells. Reviews of Modern Physics, 2022, 94, Compass in the ear: can animals sense magnetic fields with hair cells?. A Transmissive Theory of Brain Function: Implications for Health, Disease, and Consciousness. 2022,		9
13 12 11	Coupling of mechanical deformation and electromagnetic fields in biological cells. Reviews of Modern Physics, 2022, 94, Compass in the ear: can animals sense magnetic fields with hair cells?. A Transmissive Theory of Brain Function: Implications for Health, Disease, and Consciousness. 2022, 3, 440-456 Deciphering structural biological materials: Viewing from the mechanics perspective and their		9 0
13 12 11	Bioelectromagnetics, 2022, 43, 119-143 Coupling of mechanical deformation and electromagnetic fields in biological cells. Reviews of Modern Physics, 2022, 94, Compass in the ear: can animals sense magnetic fields with hair cells?. A Transmissive Theory of Brain Function: Implications for Health, Disease, and Consciousness. 2022, 3, 440-456 Deciphering structural biological materials: Viewing from the mechanics perspective and their prospects. 2022, 245, 110213		9 0 0
13 12 11 10	Coupling of mechanical deformation and electromagnetic fields in biological cells. <i>Reviews of Modern Physics</i> , 2022, 94, Compass in the ear: can animals sense magnetic fields with hair cells?. A Transmissive Theory of Brain Function: Implications for Health, Disease, and Consciousness. 2022, 3, 440-456 Deciphering structural biological materials: Viewing from the mechanics perspective and their prospects. 2022, 245, 110213 The light-independent locomotion response to a static magnetic field in Xenopus tadpoles. 10, Magnetotactic Bacteria: From Evolution to Biomineralization and Biomedical Applications. 2022,		9 0 0

5	Gradient Magnetic Field Accelerates Division of E. coli Nissle 1917. 2023 , 12, 315	O
4	Interaction of magnetic fields with biogenic magnetic nanoparticles on cell membranes: Physiological consequences for organisms in health and disease. 2023 , 151, 108390	O
3	Ambient Electromagnetic Radiation as a Predictor of Honey Bee (Apis mellifera) Traffic in Linear and Non-Linear Regression: Numerical Stability, Physical Time and Energy Efficiency. 2023 , 23, 2584	O
2	Molecular Mechanisms for Electromagnetic Field Biosensing. 2023 , 75-112	O
1	Avian navigation: the geomagnetic field provides compass cues but not a bicoordinate haplplus a brief discussion of the alternative infrasound direction-finding hypothesis.	О