

# Ebrahim Karimi

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,560  
citations

394421

19  
h-index

315739

38  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant growth promoting activity of an auxin and siderophore producing isolate of <i>Streptomyces</i> under saline soil conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1503-1509.	3.6	252
2	Geometric phase from Aharonovâ€“Bohm to Pancharatnamâ€“Berry and beyond. <i>Nature Reviews Physics</i> , 2019, 1, 437-449.	26.6	167
3	Reconstructing the topology of optical polarization knots. <i>Nature Physics</i> , 2018, 14, 1079-1082.	16.7	126
4	Controlling the orbital angular momentum of high harmonic vortices. <i>Nature Communications</i> , 2017, 8, 14970.	12.8	124
5	Two-photon interference: the Hongâ€“Ouâ€“Mandel effect. <i>Reports on Progress in Physics</i> , 2021, 84, 012402.	20.1	83
6	High-dimensional quantum cloning and applications to quantum hacking. <i>Science Advances</i> , 2017, 3, e1601915.	10.3	82
7	Quantum cryptography with twisted photons through an outdoor underwater channel. <i>Optics Express</i> , 2018, 26, 22563.	3.4	77
8	Vectorized optoelectronic control and metrology in a semiconductor. <i>Nature Photonics</i> , 2020, 14, 680-685.	31.4	67
9	Plant growth promotion and suppression of <i>Phytophthora drechsleri</i> damping-off in cucumber by cellulase-producing <i>Streptomyces</i> . <i>BioControl</i> , 2017, 62, 805-819.	2.0	42
10	Quantum cryptography with structured photons through a vortex fiber. <i>Optics Letters</i> , 2018, 43, 4108.	3.3	42
11	Multi-twist polarization ribbon topologies in highly-confined optical fields. <i>New Journal of Physics</i> , 2019, 21, 053020.	2.9	41
12	Generalized optical angular momentum sorter and its application to high-dimensional quantum cryptography. <i>Optics Express</i> , 2017, 25, 19832.	3.4	40
13	On-demand harnessing of photonic soliton molecules. <i>Optica</i> , 2022, 9, 240.	9.3	38
14	Generating few-cycle radially polarized pulses. <i>Optica</i> , 2019, 6, 160.	9.3	35
15	Optical framed knots as information carriers. <i>Nature Communications</i> , 2020, 11, 5119.	12.8	34
16	Interaction-free ghost-imaging of structured objects. <i>Optics Express</i> , 2019, 27, 2212.	3.4	34
17	Biocontrol activity of salt tolerant <i>Streptomyces</i> isolates against phytopathogens causing root rot of sugar beet. <i>Biocontrol Science and Technology</i> , 2012, 22, 333-349.	1.3	32
18	Entanglement: quantum or classical?. <i>Reports on Progress in Physics</i> , 2020, 83, 064001.	20.1	32

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19	Investigation of underwater quantum channels in a 30 meter flume tank using structured photons. <i>New Journal of Physics</i> , 2020, 22, 093074.	2.9	31
20	Generation of electron vortices using nonexact electric fields. <i>Physical Review Research</i> , 2020, 2, .	3.6	18
21	Taxonomic study of a salt tolerant <i>Streptomyces</i> sp. strain C-2012 and the effect of salt and ectoine on lon expression level. <i>Microbiological Research</i> , 2014, 169, 232-238.	5.3	17
22	Full-field mode sorter using two optimized phase transformations for high-dimensional quantum cryptography. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 024001.	2.2	17
23	Towards communication in a curved spacetime geometry. <i>Communications Physics</i> , 2021, 4, .	5.3	17
24	Achieving Ultimate Noise Tolerance in Quantum Communication. <i>Physical Review Applied</i> , 2021, 15, .	3.8	13
25	Polychromatic electric field knots. <i>Physical Review Research</i> , 2021, 3, .	3.6	12
26	Experimental realization of wave-packet dynamics in cyclic quantum walks. <i>Optica</i> , 2019, 6, 174.	9.3	11
27	High-speed imaging of spatiotemporal correlations in Hong-Ou-Mandel interference. <i>Optics Express</i> , 2022, 30, 19456.	3.4	10
28	Majorana bosonic quasiparticles from twisted photons in free space. <i>Physical Review A</i> , 2021, 103, .	2.5	9
29	Phase retrieval of an electron vortex beam using diffraction holography. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	8
30	Gravitational distortion on photon state at the vicinity of the Earth. <i>Physical Review D</i> , 2022, 105, .	4.7	7
31	Impact of Host Plant Resistance on the Tritrophic Interactions Between Wheat Genotypes, <i>Schizaphis graminum</i> (Homoptera: Aphididae), and <i>Coccinella septempunctata</i> (Coleoptera: Coccinellidae) Using Molecular Methods. <i>Environmental Entomology</i> , 2013, 42, 1118-1122.	1.4	6
32	Development of a bioprocess for fast production of enriched biocompost from municipal solid wastes. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 482-489.	3.9	6
33	How optimal PMU placement can mitigate cascading outages blackouts?. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12015.	1.9	6
34	Full-mode characterization of correlated photon pairs generated in spontaneous downconversion. <i>Optics Letters</i> , 2021, 46, 2388.	3.3	5
35	Biodegradation of 2,4-dichlorophenoxyacetic acid by bacteria with highly antibiotic-resistant pattern isolated from wheat field soils in Kurdistan, Iran. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 659.	2.7	4
36	The Petroglyphs of Domab in the Central Plateau of Iran. <i>Near Eastern Archaeology</i> , 2018, 81, 128-140.	0.2	3

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37	Manipulating the symmetry of transverse momentum entangled biphoton states. Optics Express, 2022, 30, 21276.	3.4	3
38	Abstract markings in the rock art of Iran: relative dating and possible function of the markings. Time and Mind, 2020, 13, 141-163.	0.5	2
39	Experimental tests of multiplicative Bell inequalities and the fundamental role of local correlations. Physical Review Research, 2021, 3, .	3.6	2
40	Theoretical analysis on spatially structured beam induced mass transport in azo-polymer films. Optics Express, 2020, 28, 19954.	3.4	2
41	Ibex in context: A new insight into the meaning of the ibex depiction in the rock art of Iran based on new findings from Mount Āšj-i in Central Western Iran. Archaeological Research in Asia, 2020, 23, 100211.	0.7	1
42	A sorter for electrons based on magnetic elements. Ultramicroscopy, 2021, 231, 113287.	1.9	1