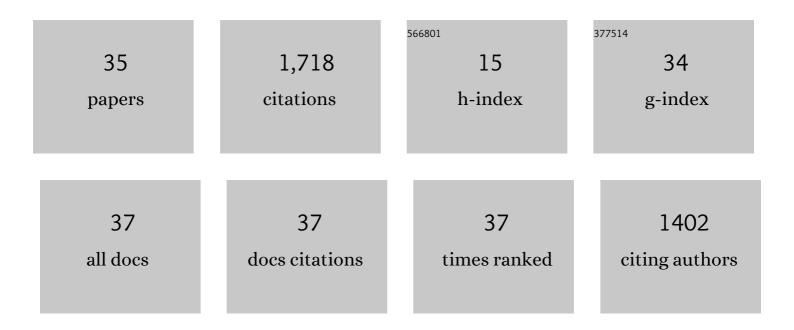
Iannis K Kominis

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Quantum advantage in biometric authentication with single photons. Journal of Applied Physics, 2022, 131, 084401.	1.1	1
2	Spatially selective and quantum-statistics-limited light stimulus for retina biometrics and pupillometry. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	4
3	Quantum relative entropy shows singlet-triplet coherence is a resource in the radical-pair mechanism of biological magnetic sensing. Physical Review Research, 2020, 2, .	1.3	6
4	Algorithmic quantum heat engines. Physical Review E, 2019, 100, 012109.	0.8	15
5	Quantum trajectories in spin-exchange collisions reveal the nature of spin-noise correlations in multispecies alkali-metal vapors. Physical Review Research, 2019, 1, .	1.3	7
6	Quantum information processing in the radical-pair mechanism: Haberkorn's theory violates the Ozawa entropy bound. Physical Review E, 2017, 95, 022413.	0.8	5
7	High-order harmonics measured by the photon statistics of the infrared driving-field exiting the atomic medium. Nature Communications, 2017, 8, 15170.	5.8	39
8	Quantum-limited biochemical magnetometers designed using the Fisher information and quantum reaction control. Physical Review A, 2017, 95, .	1.0	8
9	Quantum Biometrics with Retinal Photon Counting. Physical Review Applied, 2017, 8, .	1.5	10
10	Revealing the properties of the radical-pair magnetoreceptor using pulsed photo-excitation timed with pulsed rf. BioSystems, 2016, 147, 35-39.	0.9	0
11	Quantum optical signatures in strong-field laser physics: Infrared photon counting in high-order-harmonic generation. Scientific Reports, 2016, 6, 32821.	1.6	30
12	Reply to the comment on "Quantum trajectory tests of radical-pair quantum dynamics in CIDNP measurements of photosynthetic reaction centers―by G. Jeschke. Chemical Physics Letters, 2016, 648, 204-207.	1.2	3
13	The radical-pair mechanism as a paradigm for the emerging science of quantum biology. Modern Physics Letters B, 2015, 29, 1530013.	1.0	23
14	Quantum trajectory tests of radical-pair quantum dynamics in CIDNP measurements of photosynthetic reaction centers. Chemical Physics Letters, 2015, 640, 40-45.	1.2	7
15	Quantum-optical nature of the recollision process in high-order-harmonic generation. Physical Review A, 2014, 89, .	1.0	7
16	Retrodictive derivation of the radical-ion-pair master equation and Monte Carlo simulation with single-molecule quantum trajectories. Physical Review E, 2014, 90, 042719.	0.8	11
17	Spin-noise correlations and spin-noise exchange driven by low-field spin-exchange collisions. Physical Review A, 2014, 90, .	1.0	19
18	Lamb shift in radical-ion pairs produces a singlet-triplet energy splitting in photosynthetic reaction centers. European Physical Journal Plus, 2014, 129, 1.	1.2	7

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#	Article	IF	CITATIONS
19	Quantum measurement corrections to CIDNP in photosynthetic reaction centers. New Journal of Physics, 2013, 15, 075017.	1.2	17
20	Collision kernels from velocity-selective optical pumping with magnetic depolarization. Physical Review A, 2013, 87, .	1.0	5
21	Reactant-product quantum coherence in electron transfer reactions. Physical Review E, 2012, 86, 026111.	0.8	11
22	Magnetic sensitivity and entanglement dynamics of the chemical compass. Chemical Physics Letters, 2012, 542, 143-146.	1.2	22
23	Photon statistics as an experimental test discriminating between theories of spin-selective radical–ion-pair reactions. Chemical Physics Letters, 2012, 543, 170-172.	1.2	9
24	The quantum Zeno effect immunizes the avian compass against the deleterious effects of exchange and dipolar interactions. BioSystems, 2012, 107, 153-157.	0.9	28
25	Comment on â€~Spin-selective reactions of radical pairs act as quantum measurements' (Chemical Physics) T	i ETOq1 1 1.2	0.784314 14
26	Radical-ion-pair reactions are the biochemical equivalent of the optical double-slit experiment. Physical Review E, 2011, 83, 056118.	0.8	26
27	Coherent triplet excitation suppresses the heading error of the avian compass. New Journal of Physics, 2010, 12, 085016.	1.2	15
28	Quantum Zeno effect explains magnetic-sensitive radical-ion-pair reactions. Physical Review E, 2009, 80, 056115.	0.8	89
29	Quantum Zeno effect in atomic spin-exchange collisions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4877-4879.	0.9	4
30	Sub-Shot-Noise Magnetometry with a Correlated Spin-Relaxation Dominated Alkali-Metal Vapor. Physical Review Letters, 2008, 100, 073002.	2.9	23
31	Quantum random number generator based on spin noise. Physical Review A, 2008, 77, .	1.0	17
32	Measurement of transverse spin-relaxation rates in a rubidium vapor by use of spin-noise spectroscopy. Physical Review A, 2007, 75, .	1.0	47
33	High Frequency Atomic Magnetometer by Use of Electromagnetically Induced Transparency. Physical Review Letters, 2006, 97, 230801.	2.9	19
34	A subfemtotesla multichannel atomic magnetometer. Nature, 2003, 422, 596-599.	13.7	1,161
35	Quantum Biometrics. , 0, , .		0