

# Observation of one-way Einstein–Podolsky–Rosen

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Experimental analysis of decoherence in continuous-variable bipartite systems. <i>Physical Review A</i> , 2012, 86, .	1.0	43
2	Monogamy inequalities for the Einstein-Podolsky-Rosen paradox and quantum steering. <i>Physical Review A</i> , 2013, 88, .	1.0	98
3	Genuine Multipartite Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2013, 111, 250403.	2.9	188
4	Strong Einstein-Podolsky-Rosen steering with unconditional entangled states. <i>Physical Review A</i> , 2013, 87, .	1.0	70
5	Improved quantum correlations in second harmonic generation with a squeezed pump. <i>Optics Communications</i> , 2013, 309, 9-14.	1.0	6
6	Einstein-Podolsky-Rosen steering: Closing the detection loophole with non-maximally-entangled states and arbitrary low efficiency. <i>Physical Review A</i> , 2013, 87, .	1.0	11
7	Einstein-Podolsky-Rosen steering inequalities from entropic uncertainty relations. <i>Physical Review A</i> , 2013, 87, .	1.0	233
8	Quantum steering for continuous-variable states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2483.	0.9	11
9	Towards an Einstein-Podolsky-Rosen paradox between two macroscopic atomic ensembles at room temperature. <i>New Journal of Physics</i> , 2013, 15, 063027.	1.2	13
10	Absorption Measurements of Periodically Poled Potassium Titanyl Phosphate (PPKTP) at 775 nm and 1550 nm. <i>Sensors</i> , 2013, 13, 565-573.	2.1	10
11	All-Versus-Nothing Proof of Einstein-Podolsky-Rosen Steering. <i>Scientific Reports</i> , 2013, 3, 2143.	1.6	64
12	Robust Gaussian entanglement with a macroscopic oscillator at thermal equilibrium. <i>Physical Review A</i> , 2013, 87, .	1.0	6
13	Violation of Continuous-Variable Einstein-Podolsky-Rosen Steering with Discrete Measurements. <i>Physical Review Letters</i> , 2013, 110, 130407.	2.9	75
14	Einstein-Podolsky-Rosen paradox and quantum steering in pulsed optomechanics. <i>Physical Review A</i> , 2013, 88, .	1.0	79
15	Asymmetric Gaussian harmonic steering in second-harmonic generation. <i>Physical Review A</i> , 2013, 88, .	1.0	55
16	A gravitational wave detector operating beyond the quantum shot-noise limit: Squeezed light in application. <i>EPJ Web of Conferences</i> , 2013, 57, 02002.	0.1	0
17	Different operational meanings of continuous variable Gaussian entanglement criteria and Bell inequalities. <i>Laser Physics</i> , 2014, 24, 074008.	0.6	5
18	Asymmetric EPR entanglement in continuous variable systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 225502.	0.6	5

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19	Steering, or maybe why Einstein did not go all the way to Bell's argument. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 424008.	0.7	15
20	Collective multipartite Einstein-Podolsky-Rosen steering: more secure optical networks. Optics Letters, 2014, 39, 6703.	1.7	21
21	One-way Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2014, 112, .	2.9	227
22	Detecting faked continuous-variable entanglement using one-sided device-independent entanglement witnesses. Physical Review A, 2014, 89, .	1.0	49
23	Einstein-Podolsky-Rosen paradox and quantum steering in a three-mode optomechanical system. Physical Review A, 2014, 89, .	1.0	67
24	Scalable quantum simulation of pulsed entanglement and Einstein-Podolsky-Rosen steering in optomechanics. Physical Review A, 2014, 90, .	1.0	58
25	Role of thermal noise in tripartite quantum steering. Physical Review A, 2014, 90, .	1.0	27
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27	Optimal measurements for tests of Einstein-Podolsky-Rosen steering with no detection loophole using two-qubit Werner states. Physical Review A, 2014, 90, .	1.0	45
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31	Secure Continuous Variable Teleportation and Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2015, 115, 180502.	2.9	237
32	Hierarchy of Steering Criteria Based on Moments for All Bipartite Quantum Systems. Physical Review Letters, 2015, 115, 210401.	2.9	96
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34	Steering criteria via covariance matrices of local observables in arbitrary-dimensional quantum systems. Physical Review A, 2015, 92, .	1.0	20
35	Efficient Scheme for Perfect Collective Einstein-Podolsky-Rosen Steering. Scientific Reports, 2015, 5, 12346.	1.6	11
36	Beyond Gisin's Theorem and its Applications: Violation of Local Realism by Two-Party Einstein-Podolsky-Rosen Steering. Scientific Reports, 2015, 5, 11624.	1.6	11

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38	Optimal randomness certification in the quantum steering and prepare-and-measure scenarios. <i>New Journal of Physics</i> , 2015, 17, 113010.	1.2	78
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41	Resource Theory of Steering. <i>Physical Review X</i> , 2015, 5, .	2.8	125
42	Detection of genuine tripartite entanglement and steering in hybrid optomechanics. <i>Optics Express</i> , 2015, 23, 30104.	1.7	14
43	Experimental measurement-device-independent verification of quantum steering. <i>Nature Communications</i> , 2015, 6, 5886.	5.8	67
44	Multipartite Einstein-Podolsky-Rosen steering and genuine tripartite entanglement with optical networks. <i>Nature Physics</i> , 2015, 11, 167-172.	6.5	249
45	Necessary and Sufficient Quantum Information Characterization of Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2015, 114, 060404.	2.9	360
46	Quantification of Gaussian Quantum Steering. <i>Physical Review Letters</i> , 2015, 114, 060403.	2.9	264
47	Classifying Directional Gaussian Entanglement, Einstein-Podolsky-Rosen Steering, and Discord. <i>Physical Review Letters</i> , 2015, 114, 060402.	2.9	111
48	Effect of local channels on quantum steering ellipsoids. <i>Physical Review A</i> , 2015, 91, .	1.0	17
49	Detection of quantum steering in multipartite continuous-variable Greenberger-Horne-Zeilinger-like states. <i>Physical Review A</i> , 2015, 91, .	1.0	20
50	Einstein-Podolsky-Rosen-entangled motion of two massive objects. <i>Physical Review A</i> , 2015, 92, .	1.0	32
51	Quantum steering of multimode Gaussian states by Gaussian measurements: monogamy relations and the Peres conjecture. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 135301.	0.7	39
52	Steady-state one-way Einstein-Podolsky-Rosen steering in optomechanical interfaces. <i>Physical Review A</i> , 2015, 91, .	1.0	49
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54	Experimental proof of nonlocal wavefunction collapse for a single particle using homodyne measurements. <i>Nature Communications</i> , 2015, 6, 6665.	5.8	78

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56	Decoherence of Einstein-Podolsky-Rosen steering. Journal of the Optical Society of America B: Optical Physics, 2015, 32, A82.	0.9	49
57	Asymmetric quantum network based on multipartite Einstein-Podolsky-Rosen steering. Journal of the Optical Society of America B: Optical Physics, 2015, 32, A20.	0.9	4
58	Entanglement and Einstein-Podolsky-Rosen steering between a nanomechanical resonator and a cavity coupled with two quantum dots. Optics Express, 2015, 23, 21306.	1.7	6
59	Detection of entanglement in asymmetric quantum networks and multipartite quantum steering. Nature Communications, 2015, 6, 7941.	5.8	137
60	Asymmetric steering in coherent transport of atomic population with a three-well Bose-Hubbard model. Journal of the Optical Society of America B: Optical Physics, 2015, 32, A15.	0.9	18
61	Sharp Contradiction for Local-Hidden-State Model in Quantum Steering. Scientific Reports, 2016, 6, 32075.	1.6	15
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63	Bell's Nonlocality Can be Detected by the Violation of Einstein-Podolsky-Rosen Steering Inequality. Scientific Reports, 2016, 6, 39063.	1.6	31
64	Experimental temporal quantum steering. Scientific Reports, 2016, 6, 38076.	1.6	34
65	Steering Bell-diagonal states. Scientific Reports, 2016, 6, 22025.	1.6	37
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70	Certifying Einstein-Podolsky-Rosen steering via the local uncertainty principle. Physical Review A, 2016, 93, .	1.0	46
71	Quantification of Einstein-Podolski-Rosen steering for two-qubit states. Physical Review A, 2016, 93, .	1.0	115
72	Incompatible measurements on quantum causal networks. Physical Review A, 2016, 93, .	1.0	13

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73	Temporal steering and security of quantum key distribution with mutually unbiased bases against individual attacks. <i>Physical Review A</i> , 2016, 93, .	1.0	45
74	Gaussian quantum steering and its asymmetry in curved spacetime. <i>Physical Review D</i> , 2016, 93, .	1.6	39
75	Experimental Quantification of Asymmetric Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2016, 116, 160404.	2.9	155
76	Observation of Genuine One-Way Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2016, 116, 160403.	2.9	167
77	Quantum coherence of steered states. <i>Scientific Reports</i> , 2016, 6, 19365.	1.6	54
78	Quantum steering of Gaussian states via non-Gaussian measurements. <i>Scientific Reports</i> , 2016, 6, 29729.	1.6	24
79	One-way steering of optical fields via dissipation of an atomic reservoir. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 225502.	0.6	9
80	EPR Steering inequalities with Communication Assistance. <i>Scientific Reports</i> , 2016, 6, 21634.	1.6	12
81	Bipartite entanglement in continuous-variable tripartite systems. <i>Optics Communications</i> , 2016, 378, 49-57.	1.0	7
82	Multi-photon entanglement in high dimensions. <i>Nature Photonics</i> , 2016, 10, 248-252.	15.6	253
83	Multipartite Gaussian steering: Monogamy constraints and quantum cryptography applications. <i>Physical Review A</i> , 2017, 95, .	1.0	119
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85	Einstein-Podolsky-Rosen steering and quantum steering ellipsoids: Optimal two-qubit states and projective measurements. <i>Physical Review A</i> , 2017, 95, .	1.0	22
86	Squeezed states of light and their applications in laser interferometers. <i>Physics Reports</i> , 2017, 684, 1-51.	10.3	292
87	Dynamical Gaussian quantum steering in optomechanics. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	16
88	Efficient linear criterion for witnessing Einstein-Podolsky-Rosen nonlocality under many-setting local measurements. <i>Physical Review A</i> , 2017, 95, .	1.0	6
89	Quantum steering: a review with focus on semidefinite programming. <i>Reports on Progress in Physics</i> , 2017, 80, 024001.	8.1	293
90	Characterizing nonlocal correlations via universal uncertainty relations. <i>Physical Review A</i> , 2017, 96, .	1.0	14

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91	Optimized detection of steering via linear criteria for arbitrary-dimensional states. <i>Physical Review A</i> , 2017, 95, .	1.0	7
92	Controlled Asymmetry of Einstein-Podolsky-Rosen Steering with an Injected Nondegenerate Optical Parametric Oscillator. <i>Physical Review Letters</i> , 2017, 119, 160501.	2.9	28
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96	Interpreting the macroscopic pointer by analysing the elements of reality of a Schrödinger cat. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 41LT01.	0.7	12
97	Steady-state light-mechanical quantum steerable correlations in cavity optomechanics. <i>Physical Review A</i> , 2017, 95, .	1.0	24
98	Demonstration of Multisetting One-Way Einstein-Podolsky-Rosen Steering in Two-Qubit Systems. <i>Physical Review Letters</i> , 2017, 118, 140404.	2.9	85
99	Manipulating the direction of Einstein-Podolsky-Rosen steering. <i>Physical Review A</i> , 2017, 95, .	1.0	47
100	Effect of local noise for achieving nonlocal advantage of quantum coherence. <i>Quantum Information Processing</i> , 2017, 16, 1.	1.0	13
101	Einstein-Podolsky-Rosen-steering swapping between two Gaussian multipartite entangled states. <i>Physical Review A</i> , 2017, 96, .	1.0	11
102	Einstein-Podolsky-Rosen steering and Bell nonlocality of two macroscopic mechanical oscillators in optomechanical systems. <i>Physical Review A</i> , 2017, 96, .	1.0	11
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104	Quantum steerability based on joint measurability. <i>Scientific Reports</i> , 2017, 7, 15822.	1.6	5
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110	Einstein-Podolsky-Rosen correlations and Bell correlations in the simplest scenario. Physical Review A, 2017, 95, .	1.0	15
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115	Demonstration of Einsteinâ€“Podolskyâ€“Rosen steering with enhanced subchannel discrimination. Npj Quantum Information, 2018, 4, .	2.8	61
116	Einstein-Podolsky-Rosen steering: Its geometric quantification and witness. Physical Review A, 2018, 97, .	1.0	28
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121	A Note on Quantum Coherence. International Journal of Theoretical Physics, 2018, 57, 771-779.	0.5	2
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123	Dissipation induced asymmetric steering of distant atomic ensembles. Optics Communications, 2018, 412, 166-171.	1.0	5
124	Generation of one-way Einsteinâ€“Podolskyâ€“Rosen steering using interference-controlled asymmetric dissipation process. Annals of Physics, 2018, 388, 162-172.	1.0	7
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128	Spatial entanglement patterns and Einstein-Podolsky-Rosen steering in Bose-Einstein condensates. <i>Science</i> , 2018, 360, 409-413.	6.0	191
129	Quantum behaviour of open pumped and damped Bose-Hubbard trimers. <i>Laser Physics</i> , 2018, 28, 015501.	0.6	3
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134	Observation of non-locality sharing among three observers with one entangled pair via optimal weak measurement. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	58
135	Dynamical behavior of maximal steered coherence and concurrence under decoherence. <i>Laser Physics Letters</i> , 2018, 15, 125201.	0.6	2
136	Demonstration of Einstein-Podolsky-Rosen Steering Using Hybrid Continuous- and Discrete-Variable Entanglement of Light. <i>Physical Review Letters</i> , 2018, 121, 170403.	2.9	42
137	Controlling stationary one-way steering via thermal effects in optomechanics. <i>Physical Review A</i> , 2018, 98, .	1.0	24
138	Satellite-Based Quantum Steering under the Influence of Spacetime Curvature of the Earth. <i>Advanced Quantum Technologies</i> , 2018, 1, 1800072.	1.8	16
139	Conclusive Experimental Demonstration of One-Way Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2018, 121, 100401.	2.9	56
140	Einstein-Podolsky-Rosen Steering Inequalities and Applications. <i>Entropy</i> , 2018, 20, 683.	1.1	8
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148	Creation of bipartite steering correlations by a fast damped auxiliary mode. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 185501.	0.6	1
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150	Engineering asymmetric steady-state Einstein-Podolsky-Rosen steering in macroscopic hybrid systems. Physical Review A, 2019, 100, .	1.0	7
151	Dynamics of Einstein-Podolsky-Rosen Steering in Quantum Spin Environment. International Journal of Theoretical Physics, 2019, 58, 4069-4078.	0.5	1
152	Experimental Measurement-Device-Independent Quantum Steering and Randomness Generation Beyond Qubits. Physical Review Letters, 2019, 123, 170402.	2.9	36
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158	The Einstein-Podolsky-Rosen Steering and Its Certification. Entropy, 2019, 21, 422.	1.1	8
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160	Directional steering as a sufficient and necessary condition for Gaussian entanglement swapping: Application to distant optomechanical oscillators. Physical Review A, 2019, 99, .	1.0	6
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164	Steering evolution of two-mode Gaussian states in noisy environments. <i>International Journal of Quantum Information</i> , 2019, 17, 1950030.	0.6	1
165	Enhanced optical squeezing from quasi-bound states in the continuum and Fano resonances without nonlinearity. <i>New Journal of Physics</i> , 2019, 21, 123050.	1.2	5
166	One-way steering of the optical fields with respect to the low-Q cavity via the thermal noise. <i>Laser Physics Letters</i> , 2019, 17, 125201.	0.6	2
167	One-way steering of the optical fields with respect to the low-Q cavity via the thermal noise. <i>Laser Physics Letters</i> , 2019, 16, 125205.	0.6	2
168	Measurement-device-independent and arbitrarily loss-tolerant verification of quantum steering. <i>Physical Review A</i> , 2019, 99, .	1.0	7
169	Characterizing Bell nonlocality and EPR steering. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	28
170	Scaling of Einstein-Podolsky-Rosen steering in spin chains. <i>Physica Scripta</i> , 2020, 95, 035105.	1.2	4
171	Experimental demonstration of Einstein-Podolsky-Rosen entanglement in rotating coordinate space. <i>Science Bulletin</i> , 2020, 65, 280-285.	4.3	5
172	Quantum network based on non-classical light. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	27
173	Dressing-Controlled Quantum Steering in Energy-Level Cascaded Parametric Amplified Four-Wave Mixing Processes. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000029.	1.8	9
174	Experimental demonstration of measurement-device-independent measure of quantum steering. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
175	Einstein-Podolsky-Rosen steering in spontaneous parametric down-conversion cascaded with a sum-frequency generation. <i>Physical Review A</i> , 2020, 102, .	1.0	9
176	Monogamy relations within quadripartite Einstein-Podolsky-Rosen steering based on cascaded four-wave mixing processes. <i>Physical Review A</i> , 2020, 101, .	1.0	13
177	Number-phase entanglement and Einstein-Podolsky-Rosen steering. <i>Physical Review A</i> , 2020, 101, .	1.0	10
178	Generalized quantum steering ellipsoids for a qubit-field system. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 175502.	0.6	1
179	Necessary conditions for steerability of two qubits from consideration of local operations. <i>Physical Review A</i> , 2020, 101, .	1.0	6
180	Generation of tripartite Einstein-Podolsky-Rosen steering by cascaded nonlinear process*. <i>Chinese Physics B</i> , 2020, 29, 050301.	0.7	8

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182	Quantum steering for continuous variable in de Sitter space. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	6
183	Controlling one-way quantum steering in a modulated optomechanical system. <i>Physical Review A</i> , 2020, 101, .	1.0	24
184	Demonstration of monogamy laws for Gaussian steering in optomechanics. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	3
185	Experimental observation of Einstein-Podolsky-Rosen steering via entanglement detection. <i>Physical Review A</i> , 2020, 101, .	1.0	9
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