

# Miloslav Znojil

## List of Publications by Year in descending order

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182  
papers

3,733  
citations

159525

30  
h-index

182361

51  
g-index

187  
all docs

187  
docs citations

187  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic search for $\mathcal{PT}$ -symmetric potentials with real energy spectra. Journal of Physics A, 2000, 33, 7165-7180.	1.6	235
2	$\mathcal{PT}$ -symmetric harmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 220-223.	0.9	226
3	$\mathcal{PT}$ -symmetric square well. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 285, 7-10.	0.9	134
4	Supersymmetry without hermiticity within symmetric quantum mechanics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 284-289.	1.5	121
5	Exact solution for Morse oscillator in $\mathcal{PT}$ -symmetric quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 264, 108-111.	0.9	105
6	Time-dependent version of crypto-Hermitian quantum theory. Physical Review D, 2008, 78, .	1.6	93
7	Shape invariant potentials with $\mathcal{PT}$ -symmetry. Journal of Physics A, 2000, 33, L61-L62.	1.6	82
8	Complex Calogero model with real energies. Journal of Physics A, 2001, 34, 1793-1803.	1.6	72
9	CONDITIONS FOR COMPLEX SPECTRA IN A CLASS OF $\mathcal{PT}$ SYMMETRIC POTENTIALS. Modern Physics Letters A, 2001, 16, 1973-1981.	0.5	63
10	SPONTANEOUS BREAKDOWN OF $\mathcal{PT}$ SYMMETRY IN THE SOLVABLE SQUARE-WELL MODEL. Modern Physics Letters A, 2001, 16, 2273-2280.	0.5	61
11	Scattering theory with localized non-Hermiticities. Physical Review D, 2008, 78, .	1.6	60
12	MHD $\hat{L}^2$ -dynamo, Squire equation and $\mathcal{PT}$ -symmetric interpolation between square well and harmonic oscillator. Journal of Mathematical Physics, 2005, 46, 063504.	0.5	58
13	Tridiagonal $\mathcal{PT}$ -symmetric $N \times N$ -by- $N \times N$ Hamiltonians and a fine-tuning of their observability domains in the strongly non-Hermitian regime. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13131-13148.	0.7	58
14	The Coulomb $\hat{L}^2$ harmonic oscillator correspondence in symmetric quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 271, 327-333.	0.9	57
15	$\mathcal{PT}$ -symmetrically regularized Eckart, Pöschl-Teller and Hulthén potentials. Journal of Physics A, 2000, 33, 4561-4572.	1.6	54
16	Gegenbauer-solvable quantum chain model. Physical Review A, 2010, 82, .	1.0	49
17	Non-Hermitian supersymmetry and singular, $\mathcal{PT}$ -symmetrized oscillators. Journal of Physics A, 2002, 35, 2341-2352.	1.6	47
18	Three-Hilbert-Space Formulation of Quantum Mechanics. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2009, , .	0.5	47

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19	Maximal couplings in $\mathcal{PT}$ -symmetric chain models with the real spectrum of energies. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 4863-4875.	0.7	45
20	Comment on "Conditionally exactly soluble class of quantum potentials". Physical Review A, 2000, 61, .	1.0	44
21	Quasi-exactly solvable quartic potentials with centrifugal and Coulombic terms. Journal of Physics A, 2000, 33, 4203-4211.	1.6	41
22	Discrete $\mathcal{PT}$ -symmetric models of scattering. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 292002.	0.7	40
23	Comprehensive analysis of conditionally exactly solvable models. Journal of Mathematical Physics, 2001, 42, 1996.	0.5	39
24	Non-Hermitian interaction representation and its use in relativistic quantum mechanics. Annals of Physics, 2017, 385, 162-179.	1.0	38
25	Construction of a unique metric in quasi-Hermitian quantum mechanics: Nonexistence of the charge operator in a $\mathcal{PT}$ -symmetric system. Physics Letters, Section B, 2017, 360, 103-107.	1.5	37
26	Scattering theory using smeared non-Hermitian potentials. Physical Review D, 2009, 80, .	1.6	37
27	$\mathcal{PT}$ -symmetric pseudo-perturbation recipe: an imaginary cubic oscillator with spikes. Journal of Physics A, 2002, 35, 8929-8942.	1.6	35
28	A return to observability near exceptional points in a schematic $\mathcal{PT}$ -symmetric system. Physics Letters, Section B, 2017, 360, 103-107.	1.5	33
29	Fundamental length in quantum theories with $\mathcal{PT}$ -symmetric Hamiltonians. Physical Review D, 2009, 80, .	1.6	32
30	Non-Hermitian matrix description of the $\mathcal{PT}$ -symmetric anharmonic oscillators. Journal of Physics A, 1999, 32, 7419-7428.	1.6	31
31	Solvable $\mathcal{PT}$ -symmetric model with a tunable interspersion of nonmerging levels. Journal of Mathematical Physics, 2005, 46, 062109.	0.5	30
32	Conditional observability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 440-446.	1.5	30
33	Harmonic oscillator well with a screened Coulombic core is quasi-exactly solvable. Journal of Physics A, 1999, 32, 4563-4570.	1.6	29
34	Relativistic supersymmetric quantum mechanics based on Klein-Gordon equation. Journal of Physics A, 2004, 37, 9557-9571.	1.6	29
35	Complete set of inner products for a discrete $\mathcal{PT}$ -symmetric square-well Hamiltonian. Journal of Mathematical Physics, 2009, 50, .	0.5	29
36	Coupled-channel version of the $\mathcal{PT}$ -symmetric square well. Journal of Physics A, 2006, 39, 441-455.	1.6	28

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37	Bound states in the Kratzer plus polynomial potentials and the new form of perturbation theory. Journal of Mathematical Chemistry, 1999, 26, 157-172.	0.7	27
38	Asymptotic solvability of an imaginary cubic oscillator with spikes. Journal of Physics A, 2002, 35, 5781-5793.	1.6	26
39	Solvability and $\mathcal{P}$ -symmetry in a double-well model with point interactions. Journal of Physics A, 2005, 38, 5041-5056.	1.6	26
40	Quantum catastrophes: a case study. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 444036.	0.7	26
41	Fragile $\mathcal{PT}$ -symmetry in a solvable model. Journal of Mathematical Physics, 2004, 45, 4418-4430.	0.5	24
42	Should $\mathcal{PT}$ Symmetric Quantum Mechanics Be Interpreted as Nonlinear?. Journal of Nonlinear Mathematical Physics, 2002, 9, 122.	0.8	22
43	Solvable simulation of a double-well problem in $\mathcal{P}$ -symmetric quantum mechanics. Journal of Physics A, 2003, 36, 7639-7648.	1.6	22
44	Pseudo-Hermitian Approach to Energy-Dependent Klein-Gordon Models. European Physical Journal D, 2004, 54, 1143-1148.	0.4	22
45	Fundamental length in quantum theories with $\mathcal{PT}$ -symmetric Hamiltonians. II. The case of quantum graphs. Physical Review D, 2009, 80, .	1.6	22
46	An exactly solvable quantum-lattice model with a tunable degree of nonlocality. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 075302.	0.7	22
47	Problem of the coexistence of several non-Hermitian observables in $\mathcal{PT}$ -symmetric quantum mechanics. Physical Review A, 2017, 95, .	1.0	22
48	Crypto-Unitary Forms of Quantum Evolution Operators. International Journal of Theoretical Physics, 2013, 52, 2038-2045.	0.5	20
49	An explicitly solvable model of the spontaneous $\mathcal{PT}$ -symmetry breaking. European Physical Journal D, 2005, 55, 1113-1116.	0.4	19
50	$\mathcal{CPT}$ -CONSERVING HAMILTONIANS AND THEIR NONLINEAR SUPERSYMMETRIZATION USING DIFFERENTIAL CHARGE-OPERATORS $\mathcal{C}$ . International Journal of Modern Physics A, 2005, 20, 7107-7128.	0.5	19
51	Spiked potentials and quantum toboggans. Journal of Physics A, 2006, 39, 13325-13336.	1.6	19
52	Matching method and exact solvability of discrete $\mathcal{P}$ -symmetric square wells. Journal of Physics A, 2006, 39, 10247-10261.	1.6	19
53	$\mathcal{PT}$ -symmetric deformations of Calogero models. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 194010.	0.7	19
54	Non-Hermitian Heisenberg representation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2013-2017.	0.9	19

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55	Multiply Degenerate Exceptional Points and Quantum Phase Transitions. International Journal of Theoretical Physics, 2015, 54, 4293-4305.	0.5	19
56	The potential $V(r)=ar^2+br^4+cr^6$ and a new method of solving the Schrödinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 158, 436-440.	0.9	18
57	Spiked and $\mathcal{PT}$ -symmetrized decadic potentials supporting elementary $N$ -plets of bound states. Journal of Physics A, 2000, 33, 6825-6833.	1.6	18
58	Nonlinear pseudo-bosons versus hidden Hermiticity: II. The case of unbounded operators. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 115311.	0.7	18
59	Admissible perturbations and false instabilities in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric quantum systems. Physical Review A, 2018, 97, .	1.0	18
60	The generalized continued fractions and potentials of the Lennard-Jones type. Journal of Mathematical Physics, 1990, 31, 1955-1961.	0.5	17
61	Anomalous doublets of states in a symmetric quantum model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 290, 249-254.	0.9	17
62	Construction of $\mathcal{P}$ -asymmetric non-Hermitian Hamiltonians with symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 26-30.	0.9	17
63	Horizons of stability. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 244027.	0.7	17
64	Three Solvable Matrix Models of a Quantum Catastrophe. International Journal of Theoretical Physics, 2014, 53, 2875-2890.	0.5	17
65	The minimally anisotropic metric operator in quasi-Hermitian quantum mechanics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180264.	1.0	17
66	Unitarity corridors to exceptional points. Physical Review A, 2019, 100, .	1.0	17
67	Trigonometric identities, angular Schrödinger equations and a new family of solvable models. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 334, 154-159.	0.9	16
68	Scattering in the $\mathcal{PT}$ -symmetric Coulomb potential. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 295201.	0.7	16
69	Discrete quantum square well of the first kind. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2503-2509.	0.9	16
70	Symmetrized quartic polynomial oscillators and their partial exact solvability. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1414-1418.	0.9	16
71	$\mathcal{P}$ -symmetric quantum toboggans. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 342, 36-47.	0.9	15
72	Nonlinear pseudo-bosons versus hidden Hermiticity. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 415305.	0.7	15

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73	Morse potential, symmetric Morse potential and bracketed bound-state energies. <i>Modern Physics Letters A</i> , 2016, 31, 1650088.	0.5	15
74	Schrödinger Equations with Logarithmic Self-Interactions: From Antilinear PT-Symmetry to the Nonlinear Coupling of Channels. <i>Symmetry</i> , 2017, 9, 165.	1.1	15
75	Decays of degeneracies in $\gamma$ -symmetric ring-shaped lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3435-3441.	0.9	14
76	Solvable model of quantum phase transitions and the symbolic-manipulation-based study of its multiply degenerate exceptional points and of their unfolding. <i>Annals of Physics</i> , 2013, 336, 98-111.	1.0	14
77	One-dimensional Schrödinger equation and its "exact" representation on a discrete lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 223, 411-416.	0.9	13
78	$rD$ oscillators with arbitrary $D > 0$ and perturbation expansions with Sturmians. <i>Journal of Mathematical Physics</i> , 1997, 38, 5087-5097.	0.5	13
79	PT-symmetrized supersymmetric quantum mechanics. <i>European Physical Journal D</i> , 2001, 51, 420-428.	0.4	13
80	Passage through exceptional point: case study. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190831.	1.0	13
81	Quantum phase transitions in nonhermitian harmonic oscillator. <i>Scientific Reports</i> , 2020, 10, 18523.	1.6	13
82	Asymmetric anharmonic oscillators in the Hill-determinant picture. <i>Journal of Mathematical Physics</i> , 1992, 33, 213-221.	0.5	12
83	Spiked but still exact harmonic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 164, 138-144.	0.9	12
84	Comment on "Supersymmetry and singular potentials" by Das and Pernice [ <i>Nucl. Phys. B</i> 561 (1999) 357]. <i>Nuclear Physics B</i> , 2003, 662, 554-562.	0.9	12
85	Periodic Square-Well Potential and Spontaneous Breakdown of PT-symmetry. <i>European Physical Journal D</i> , 2004, 54, 1101-1106.	0.4	12
86	Exactly solvable models with $\gamma$ -symmetry and with an asymmetric coupling of channels. <i>Journal of Physics A</i> , 2006, 39, 4047-4061.	1.6	12
87	Determination of the domain of the admissible matrix elements in the four-dimensional $\gamma$ -symmetric anharmonic model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 367, 300-306.	0.9	12
88	Quantum toboggans with two branch points. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 584-590.	0.9	12
89	Asymptotically vanishing $\gamma$ -symmetric potentials and negative-mass Schrödinger equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1921-1924.	0.9	12
90	Quantum inner-product metrics via the recurrent solution of the Dieudonné equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 085302.	0.7	12

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91	Quantum star-graph analogues of PT-symmetric square wells. Canadian Journal of Physics, 2012, 90, 1287-1293.	0.4	12
92	Parity-Time Symmetry and the Toy Models of Gain-Loss Dynamics near the Real Kato's Exceptional Points. Symmetry, 2016, 8, 52.	1.1	12
93	On the Role of the Normalization Factors $\hat{P}_{n \times n}$ and of the Pseudo-Metric $P_{\infty} P^{\dagger}$ in Crypto-Hermitian Quantum Models. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	12
94	Exactly solvable three-body Calogero-type model with translucent two-body barriers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 225-230.	0.9	11
95	Pöschl-Teller paradoxes. Journal of Physics A, 2001, 34, 9585-9592.	1.6	11
96	Script PScript T-symmetric regularizations in supersymmetric quantum mechanics. Journal of Physics A, 2004, 37, 10209-10222.	1.6	11
97	Solvable relativistic quantum dots with vibrational spectra. European Physical Journal D, 2005, 55, 1187-1192.	0.4	11
98	Strengthened PT-symmetry with. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 463-468.	0.9	11
99	Anomalous real spectra of non-Hermitian quantum graphs in a strong-coupling regime. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 335303.	0.7	11
100	Quantum Big Bang without fine-tuning in a toy-model. Journal of Physics: Conference Series, 2012, 343, 012136.	0.3	11
101	Schrödinger equations with indefinite effective mass. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3000-3005.	0.9	11
102	Complex symmetric Hamiltonians and exceptional points of order four and five. Physical Review A, 2018, 98, .	1.0	11
103	Jacobi polynomials and bound states. Journal of Mathematical Chemistry, 1996, 19, 205-213.	0.7	10
104	Linear representation of energy-dependent Hamiltonians. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 70-76.	0.9	10
105	Solvable non-Hermitian discrete square well with closed-form physical inner product. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 435302.	0.7	10
106	Two patterns of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml10" display="inline" overflow="scroll" altimg="si10.gif" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetry breakdown in a non-numerical six-state simulation. Annals of Physics, 2018, 394, 40-49.	1.0	10
107	Arnold's potentials and quantum catastrophes. Annals of Physics, 2020, 413, 168050.	1.0	10
108	A quick perturbative method for Schrödinger equations. Journal of Physics A, 1997, 30, 8771-8783.	1.6	9

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109	Comment on: "Comparison of quantal and classical behavior of PT-symmetric systems at avoided crossings" [Phys. Lett. A 334 (2005) 144]. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 452-456.	0.9	9
110	Special Issue "Pseudo-Hermitian Hamiltonians in Quantum Physics in 2014" International Journal of Theoretical Physics, 2015, 54, 3867-3870.	0.5	9
111	Symmetrized exponential oscillator. Modern Physics Letters A, 2016, 31, 1650195.	0.5	9
112	Novel recurrent approach to the generalized Su-Schrieffer-Heeger Hamiltonians. Physical Review B, 1989, 40, 12468-12475.	1.1	8
113	Perturbation method with triangular propagators and anharmonicities of intermediate strength. Journal of Mathematical Chemistry, 2000, 28, 139-167.	0.7	8
114	Topology-controlled spectra of imaginary cubic oscillators in the large- $\hbar$ approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 807-812.	0.9	8
115	The crypto-Hermitian smeared-coordinate representation of wave functions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3176-3183.	0.9	8
116	Generalized Bose-Hubbard Hamiltonians exhibiting a complete non-Hermitian degeneracy. Annals of Physics, 2019, 405, 325-339.	1.0	8
117	Double well model $V(r) = ar^2 + br^4 + cr^6$ with $a < 0$ and perturbation method with triangular propagators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 222, 291-298.	0.9	7
118	Sturm-Schrödinger equations: Formula for metric. Pramana - Journal of Physics, 2009, 73, 299-306.	0.9	7
119	Supersymmetric quantum mechanics living on topologically non-trivial Riemann surfaces. Pramana - Journal of Physics, 2009, 73, 397-404.	0.9	7
120	A Generalized Family of Discrete $\mathcal{PT}$ -symmetric Square Wells. International Journal of Theoretical Physics, 2013, 52, 2152-2162.	1.0	7
121	Solvable quantum lattices with nonlocal non-Hermitian endpoint interactions. Annals of Physics, 2015, 361, 226-246.	0.5	7
122	Nonlinearity of perturbations in $\mathcal{PT}$ -symmetric quantum mechanics. Journal of Physics: Conference Series, 2019, 1194, 012120.	0.3	7
123	Anomalous mechanisms of the loss of observability in non-Hermitian quantum models. Nuclear Physics B, 2020, 957, 115064.	0.9	7
124	Exceptional points and domains of unitarity for a class of strongly non-Hermitian real-matrix Hamiltonians. Journal of Mathematical Physics, 2021, 62, .	0.5	7
125	Three-point Padé resummation of perturbation series for anharmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 177, 111-120.	0.9	6



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127	New exact solutions for polynomial oscillators in large dimensions. Journal of Physics A, 2003, 36, 6531-6549.	1.6	6
128	Quantum knots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3591-3596.	0.9	6
129	Non-self-adjoint Schrödinger operators with nonlocal one-point interactions. Banach Journal of Mathematical Analysis, 2017, 11, 923-944.	0.4	6
130	Unitary unfoldings of a Bose-Hubbard exceptional point with and without particle number conservation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200292.	1.0	6
131	Perturbation Theory Near Degenerate Exceptional Points. Symmetry, 2020, 12, 1309.	1.1	6
132	THE COUPLED-CLUSTER APPROACH TO QUANTUM MANY-BODY PROBLEM IN A THREE-HILBERT-SPACE REINTERPRETATION. Acta Polytechnica, 2014, 54, 85-92.	0.3	6
133	Feasibility and method of multi-step Hermitization of crypto-Hermitian quantum Hamiltonians. European Physical Journal Plus, 2022, 137, 1.	1.2	6
134	Low-lying spectra in anharmonic three-body oscillators with a strong short-range repulsion. Journal of Physics A, 2003, 36, 9929-9941.	1.6	5
135	Perturbation method for non-square Hamiltonians and its application to polynomial oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 67-80.	0.9	5
136	On a few new quantization recipes using $\mathcal{P}\mathcal{T}$ -symmetry. European Physical Journal D, 2006, 56, 977-984.	0.4	5
137	Classification of the conditionally observable spectra exhibiting central symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1986-1989.	0.9	5
138	Identification of observables in quantum toboggans. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 215304.	0.7	5
139	Special Issue "Pseudo-Hermitian Hamiltonians in Quantum Physics" (Preface). International Journal of Theoretical Physics, 2011, 50, 953-954.	0.5	5
140	Quantum star-graph analogues of $\mathcal{PT}$ -symmetric square wells: Part II, spectra. Canadian Journal of Physics, 2015, 93, 765-768.	0.4	5
141	$\mathcal{P}\mathcal{T}$ -symmetric model with an interplay between kinematical and dynamical non-localities. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 195303.	0.7	5
142	Exploring branched Hamiltonians for a class of nonlinear systems. Modern Physics Letters A, 2015, 30, 1550213.	0.5	5
143	Bound states emerging from below the continuum in a solvable $\mathcal{PT}$ -symmetric discrete Schrödinger equation. Physical Review A, 2017, 96, .	1.0	5
144	Hermitian-to-quasi-Hermitian quantum phase transitions. Physical Review A, 2018, 97, .	1.0	5

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145	Theory of Response to Perturbations in Non-Hermitian Systems Using Five-Hilbert-Space Reformulation of Unitary Quantum Mechanics. <i>Entropy</i> , 2020, 22, 80.	1.1	5
146	Quantum mechanics using two auxiliary inner products. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 421, 127792.	0.9	5
147	Cryptohermitian Hamiltonians on Graphs. <i>International Journal of Theoretical Physics</i> , 2011, 50, 1052-1059.	0.5	4
148	Matrix Hamiltonians with a chance of being complex symmetric. <i>Integral Equations and Operator Theory</i> , 2012, 74, 5-6.	0.4	4
149	Polynomial potentials and coupled quantum dots in two and three dimensions. <i>Annals of Physics</i> , 2020, 416, 168161.	1.0	4
150	Relocalization switch in a triple quantum dot molecule in 2D. <i>Modern Physics Letters B</i> , 2020, 34, 2050378.	1.0	4
151	Supersymmetry and Exceptional Points. <i>Symmetry</i> , 2020, 12, 892.	1.1	4
152	Conditional observability versus self-duality in a schematic model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 304027.	0.7	3
153	$\mathcal{CPT}$ -Symmetric Discrete Square Well. <i>International Journal of Theoretical Physics</i> , 2011, 50, 982-990.	0.5	3
154	Mathematical and Physical Meaning of the Crossings of Energy Levels in $\mathcal{PT}$ -Symmetric Systems. <i>Springer Proceedings in Physics</i> , 2016, , 201-217.	0.1	3
155	Markov constant and quantum instabilities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 155201.	0.7	3
156	Broken-Hermiticity phase transition in the Bose-Hubbard model. <i>Physical Review A</i> , 2018, 98, .	1.0	3
157	Hermitianâ€“Non-Hermitian Interfaces in Quantum Theory. <i>Advances in High Energy Physics</i> , 2018, 2018, 1-12.	0.5	3
158	Boseâ€“Einstein Condensation Processes with Nontrivial Geometric Multiplicities Realized via $\mathcal{PT}$ -Symmetric and Exactly Solvable Linear-Boseâ€“Hubbard Building Blocks. <i>Quantum Reports</i> , 2021, 3, 517-533.	0.6	3
159	Which metrics are consistent with a given pseudo-hermitian matrix?. <i>Journal of Mathematical Physics</i> , 2022, 63, 013505.	0.5	3
160	Confluences of exceptional points and a systematic classification of quantum catastrophes. <i>Scientific Reports</i> , 2022, 12, 3355.	1.6	3
161	Arnoldâ€“ potentials and quantum catastrophes II. <i>Annals of Physics</i> , 2022, 442, 168896.	1.0	3
162	An analytic estimate of the number of bound states in the Lennard-Jones potentials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 188, 113-116.	0.9	2

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163	Quasi-exact minus-quartic oscillators in strong-core regime. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 21-25.	0.9	2
164	Quantum control and the challenge of non-Hermitian model-building. Journal of Physics: Conference Series, 2015, 624, 012011.	0.3	2
165	Log-anharmonic oscillator and its large- $N$ solution. Modern Physics Letters A, 2018, 33, 1850223.	0.5	2
166	Quantum square-well with logarithmic central spike. Modern Physics Letters A, 2018, 33, 1850009.	0.5	2
167	Multi-well log-anharmonic oscillators. Modern Physics Letters A, 2019, 34, 1950085.	0.5	2
168	Quantum phase transitions mediated by clustered non-Hermitian degeneracies. Physical Review E, 2021, 103, 032120.	0.8	2
169	Symbolic-Manipulation Constructions of Hilbert-Space Metrics in Quantum Mechanics. Lecture Notes in Computer Science, 2011, , 348-357.	1.0	2
170	New types of solvability in PT symmetric quantum theory. CRM Proceedings & Lecture Notes, 2004, , 333-347.	0.1	2
171	NEW CONCEPT OF SOLVABILITY IN QUANTUM MECHANICS. Acta Polytechnica, 2013, 53, 473-482.	0.3	2
172	Quantization of Big Bang in Crypto-Hermitian Heisenberg Picture. Springer Proceedings in Physics, 2016, , 383-399.	0.1	2
173	Paths of unitary access to exceptional points. Journal of Physics: Conference Series, 2021, 2038, 012026.	0.3	2
174	Minimal relativity and Hulthén potentials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 203, 1-4.	0.9	1
175	Planarizable Supersymmetric Quantum Toboggans. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2011, , .	0.5	1
176	The Large $\hbar$ Observability of the Low-Lying Energies in the Strongly Singular Potentials $V(x) = x^2 + g/2x^6$ after their PT $\hbar$ -symmetric Regularization. International Journal of Theoretical Physics, 2014, 53, 2549-2557.	0.5	1
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