Man Kam Kwong

List of Publications by Year
in descending order

96 papers	2,271 citations	331538 21 h-index	223716 46 g-index
97 all docs	97 docs citations	97 times ranked	786 citing authors

#	Article	IF	Citations
1	On Two Trigonometric Inequalities of Carslaw and Gasper. Results in Mathematics, 2022, 77, 1.	0.4	0
2	On Ivády's bounds for the gamma function and related results. Periodica Mathematica Hungarica, 2021, 82, 115-124.	0.5	0
3	On the zeros of lacunary-type polynomials. Optimization Letters, 2021, 15, 127-136.	0.9	0
4	On a Trigonometric Inequality of Szegő. Analysis Mathematica, 2021, 47, 261.	0.2	0
5	Inequalities for trigonometric sums and applications. Aequationes Mathematicae, 2020, 94, 235-251.	0.4	2
6	A Generalization of the Fejér–Jackson Inequality and Related Results. Moscow Mathematical Journal, 2020, 20, 441-451.	0.2	0
7	Classes of Nonnegative Sine Polynomials. , 2020, , 71-84.		1
8	On Young's inequality. Journal of Mathematical Analysis and Applications, 2019, 469, 480-492.	0.5	9
9	A variant of the Fejér–Jackson inequality. Studia Scientiarum Mathematicarum Hungarica, 2019, 56, 500-509.	0.1	1
10	A monotonicity property of the Mittag--Leffler function. Acta Scientiarum Mathematicarum, 2019, 85, 181-187.	0.2	1
11	On a trigonometric inequality of Askey and Steinig. Asymptotic Analysis, 2018, 106, 233-249.	0.2	1
12	On Jordan's inequality. Periodica Mathematica Hungarica, 2018, 77, 191-200.	0.5	9
13	Biological Validation of RNA Sequencing Data From Formalin-Fixed Paraffin-Embedded Primary Melanomas. JCO Precision Oncology, 2018, 2018, 1-19.	1.5	19
14	Grünbaum-Type Inequalities for Gamma and Incomplete Gamma Functions. Results in Mathematics, 2018, 73, 1.	0.4	0
15	A Cauchy-Type Functional Inequality for the Error Function. Results in Mathematics, 2017, 72, 1139-1150.	0.4	0
16	On Fejér's inequalities for the Legendre polynomials. Mathematische Nachrichten, 2017, 290, 2740-2754.	0.4	2
17	Inequalities for combinatorial sums. Archiv Der Mathematik, 2017, 108, 601-607.	0.3	1
18	Pulsating flows of the 2D Euler–Poisson equations. Journal of Differential Equations, 2017, 263, 8508-8532.	1.1	0

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19	On a cosine polynomial of Turán and its sine counterpart. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2017, 87, 69-82.	0.2	0
20	A refinement of Vietoris' inequality for cosine polynomials. Analysis and Applications, 2016, 14, 615-629.	1.2	0
21	On Multi-component Ermakov Systems in a Two-Layer Fluid: Integrable Hamiltonian Structures and Exact Vortex Solutions. Studies in Applied Mathematics, 2016, 136, 139-162.	1.1	6
22	New method for blowup of the Euler-Poisson system. Journal of Mathematical Physics, 2016, 57, .	0.5	6
23	Sharp upper and lower bounds for a sine polynomial. Applied Mathematics and Computation, 2016, 275, 81-85.	1.4	4
24	A Hardy–Littlewood integral inequality on finite intervals with a concave weight. Periodica Mathematica Hungarica, 2015, 71, 184-192.	0.5	0
25	On the concavity of Dirichlet's eta function and related functional inequalities. Journal of Number Theory, 2015, 151, 172-196.	0.2	8
26	Rogosinski–Szegő type inequalities for trigonometric sums. Journal of Approximation Theory, 2015, 190, 62-72.	0.5	0
27	An improved Vietoris sine inequality. Journal of Approximation Theory, 2015, 189, 29-42.	0.5	6
28	A subadditive property of the error function. Proceedings of the American Mathematical Society, 2014, 142, 2697-2704.	0.4	1
29	A Painlevé II model in two-ion electrodiffusion with radiation boundary conditions. Nonlinear Analysis: Real World Applications, 2014, 16, 120-131.	0.9	8
30	Periodic solutions of 2D isothermal Euler–Poisson equations with possible applications to spiral and disk-like galaxies. Journal of Mathematical Analysis and Applications, 2014, 420, 1854-1863.	0.5	7
31	Identities for Bernoulli polynomials and Bernoulli numbers. Archiv Der Mathematik, 2014, 102, 521-529.	0.3	0
32	Extension of a trigonometric inequality of Turán. Acta Scientiarum Mathematicarum, 2014, 80, 21-26.	0.2	3
33	Linear Sturm–Liouville problems with multi-point boundary conditions. Mathematische Nachrichten, 2013, 286, 1167-1179.	0.4	8
34	Mean-Square Exponential Synchronization of Markovian Switching Stochastic Complex Networks with Time-Varying Delays by Pinning Control. Abstract and Applied Analysis, 2012, 2012, 1-18.	0.3	6
35	New proofs and extensions of Sylvester's and Johnson's inertia theorems to non-Hermitian matrices. Proceedings of the American Mathematical Society, 2011, 139, 3795-3806.	0.4	3
36	On a Neumann boundary value problem for the Painlevé II equation in two-ion electro-diffusion. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 2897-2907.	0.6	12

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37	Existence and nonexistence of monotone traveling waves for the delayed Fisher equation. Journal of Differential Equations, 2010, 249, 728-745.	1.1	32
38	Solvability of second-order nonlinear three-point boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 2343-2352.	0.6	9
39	Nonconvergent radial solutions of semilinear elliptic equations. Asymptotic Analysis, 2010, 70, 1-11.	0.2	2
40	Rectifiable oscillations in second-order linear differential equations. Journal of Differential Equations, 2008, 245, 2333-2351.	1.1	18
41	The topological nature of Krasnoselskiiâ€™s cone fixed point theorem. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 891-897.	0.6	10
42	A nonoscillation theorem for superlinear Emdenâ€"Fowler equations with near-critical coefficients. Journal of Differential Equations, 2007, 238, 18-42.	1.1	2
43	A nonoscillation theorem for sublinear Emdenâ€"Fowler equations. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 1641-1646.	0.6	5
44	On the oscillation of Hill's equations under periodic forcing. Journal of Mathematical Analysis and Applications, 2006, 320, 37-55.	0.5	7
45	Oscillation and nonoscillation of Hill's equation with periodic damping. Journal of Mathematical Analysis and Applications, 2003, 288, 15-19.	0.5	16
46	Simulating vortex motion in superconducting films with the time-dependent Ginzburg - Landau equations. Nonlinearity, 1997, 10, 579-593.	0.6	28
47	Vortex Configurations in Type-II Superconducting Films. Journal of Computational Physics, 1995, 119, 120-131.	1.9	29
48	Asymptotics of a free-boundary problem. Methods and Applications of Analysis, 1995, 2, 466-474.	0.1	0
49	Sweeping algorithms for inverting the discrete Ginzburg-Landau operator. Applied Mathematics and Computation, 1993, 53, 129-150.	1.4	3
50	The influence of nonlocal nonlinearities on the long time behavior of solutions of Burgersâ€™ equation. Quarterly of Applied Mathematics, 1992, 50, 173-200.	0.5	42
51	On Two Conjectures Concerning the Multiplicity of Solutions of a Dirichlet Problem. SIAM Journal on Mathematical Analysis, 1992, 23, 571-578.	0.9	5
52	Uniqueness of radial solutions of semilinear elliptic equations. Transactions of the American Mathematical Society, 1992, 333, 339-363.	0.5	95
53	Uniqueness results for Emden-Fowler boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 1991, 16, 435-454.	0.6	8
54	Oscillation of first-order delay equations. Journal of Mathematical Analysis and Applications, 1991, 156, 274-286.	0.5	50

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55	The equivalence of strict convexity and injectivity of the gradient in bounded level sets. Mathematical Programming, 1991, 51, 273-278.	1.6	1
56	Norm Inequalities for the Powers of a Matrix. American Mathematical Monthly, 1991, 98, 533.	0.2	3
57	Computer-aided study of a problem in hermitian matrix theory. Journal of Symbolic Computation, 1990, 9, 87-112.	0.5	1
58	Sturm comparison theorems for second-order delay equations. Journal of Mathematical Analysis and Applications, 1990, 152, 305-323.	0.5	4
59	Some results on matrix monotone functions. Linear Algebra and Its Applications, 1989, 118, 129-153.	0.4	50
60	Uniqueness of positive solutions of Δu−u+up=0 in Rn. Archive for Rational Mechanics and Analysis, 1989, 105, 243-266.	1.1	1,004
61	On the definiteness of the solutions of certain matrix equations. Linear Algebra and Its Applications, 1988, 108, 177-197.	0.4	22
62	Quenching phenomena for singular nonlinear parabolic equations. Nonlinear Analysis: Theory, Methods & Applications, 1988, 12, 1377-1383.	0.6	30
63	A non-oscillation theorem for the emden-fowler equation: Ground states for semilinear elliptic equations with critical exponents. Journal of Differential Equations, 1988, 75, 158-185.	1.1	8
64	Uniqueness for a class of nonlinear initial value problems. Journal of Mathematical Analysis and Applications, 1988, 130, 467-473.	0.5	10
65	Landau's inequality for the difference operator. Proceedings of the American Mathematical Society, 1988, 104, 201-206.	0.4	1
66	Oscillatory Second Order Linear Difference Equations and Riccati Equations. SIAM Journal on Mathematical Analysis, 1987, 18, 54-63.	0.9	50
67	Comparison theorems for first order linear delay equations. Journal of Differential Equations, 1987, 70, 275-292.	1.1	7
68	A generalization of A ⊗ A−1 ≥ I. Linear Algebra and Its Applications, 1987, 93, 107-112.	0.4	10
69	Characterizations of the Friedrichs Extensions of Singular Sturm–Liouville Expressions. SIAM Journal on Mathematical Analysis, 1986, 17, 772-777.	0.9	14
70	Weighted means and oscillation conditions for second order matrix differential equations. Journal of Differential Equations, 1986, 61, 164-177.	1.1	61
71	Riccati type transformations for second-order linear difference equations, II. Journal of Mathematical Analysis and Applications, 1985, 107, 182-196.	0.5	36
72	Oscillation of two-dimensional linear second-order differential systems. Journal of Differential Equations, 1985, 56, 195-205.	1.1	28

#	ARTICLE	IF	CITATIONS
73	Hermitian Matrix Inequalities and a Conjecture. American Mathematical Monthly, 1985, 92, 533.	0.2	22
74	An oscillation criterion for linear second-order differential systems. Proceedings of the American Mathematical Society, 1985, 94, 91-91.	0.4	5
75	Differential operators and quadratic inequalities with a degenerate weight. Journal of Mathematical Analysis and Applications, 1984, 98, 378-399.	0.5	4
76	Singular Sturm?Liouville problems with nonnegative and indefinite weights. Monatshefte Fur Mathematik, 1984, 97, 177-189.	0.5	6
77	Regularizing Transformations for Certain Singular Sturmâ€"Liouville Boundary Value Problems. SIAM Journal on Mathematical Analysis, 1984, 15, 957-963.	0.9	9
78	Oscillation of linear second-order differential systems. Proceedings of the American Mathematical Society, 1984, 91, 85-85.	0.4	19
79	Asymptotically constant functions and second order linear oscillation. Journal of Mathematical Analysis and Applications, 1983, 93, 475-494.	0.5	20
80	On an Oscillation Theorem of Belohorec. SIAM Journal on Mathematical Analysis, 1983, 14, 474-476.	0.9	25
81	Nonoscillation theorems for a second order sublinear ordinary differential equation. Proceedings of the American Mathematical Society, 1983, 87, 467-467.	0.4	15
82	Linearization of second-order nonlinear oscillation theorems. Transactions of the American Mathematical Society, 1983, 279, 705-705.	0.5	36
83	On certain comparison theorems for second order linear oscillation. Proceedings of the American Mathematical Society, 1982, 84, 539-539.	0.4	10
84	On the oscillation and nonoscillation of second order sublinear equations. Proceedings of the American Mathematical Society, 1982, 85, 547-551.	0.4	19
85	Integral inequalities and second order linear oscillation. Journal of Differential Equations, 1982, 45, 16-33.	1.1	60
86	An application of integral inequality to second order nonlinear oscillation. Journal of Differential Equations, 1982, 46, 63-77.	1.1	32
87	On certain Riccati integral equations and second-order linear oscillation. Journal of Mathematical Analysis and Applications, 1982, 85, 315-330.	0.5	11
88	On the oscillation of nonlinear hyperbolic equations. Journal of Mathematical Analysis and Applications, 1982, 85, 31-45.	0.5	7
89	Discreteness conditions for the spectrum of ordinary differential operators. Journal of Differential Equations, 1981, 40, 53-70.	1.1	14
90	On Lyapunov's inequality for disfocality. Journal of Mathematical Analysis and Applications, 1981, 83, 486-494.	0.5	62

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91	Two Counterexamples in the Theory of Limit Point Classification of Second order Differential Expressions. Bulletin of the London Mathematical Society, 1979, 11, 129-137.	0.4	0
92	Conditions under which the order of two non-negative Hermitian matrices is preserved when taking integral powers. Linear Algebra and Its Applications, 1977, 18, 223-228.	0.4	0
93	On boundedness of solutions of second order differential equations in the limit circle case. Proceedings of the American Mathematical Society, 1975, 52, 242-246.	0.4	9
94	Inequalities for the powers of nonnegative Hermitian operators. Proceedings of the American Mathematical Society, 1975, 51, 401-401.	0.4	3
95	L p-perturbations of second order linear differential equations. Mathematische Annalen, 1975, 215, 23-34.	0.7	6
96	Inequalities for sine sums with more variables. Ramanujan Journal, 0, , 1.	0.4	0