Gilbert Strang

List of Publications by Year
in descending order

19 papers	493 citations	1163117 8 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	219 citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplying and Factoring Matrices. American Mathematical Monthly, 2018, 125, 223-230.	0.3	3
2	The Green's function for the Hückel (tight binding) model. Journal of Mathematical Physics, 2017, 58, 033505.	1.1	15
3	Random Triangle Theory with Geometry and Applications. Foundations of Computational Mathematics, 2015, 15, 681-713.	2.5	2
4	Linear Algebra Online and Offline: The 2015 Lin Lectures. Notices of the International Congress of Chinese Mathematicians, 2015, 3, 30-32.	0.0	0
5	Maximum area with Minkowski measures of perimeter. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2008, 138, 189-199.	1.2	6
6	LINEAR ALGEBRA: A HAPPY CHANCE TO APPLY MATHEMATICS. , 2008, , .		0
7	Pascal Matrices. American Mathematical Monthly, 2004, 111, 189-197.	0.3	63
8	BLOCK TRIDIAGONAL MATRICES AND THE KALMAN FILTER. , 2002, , .		0
9	Binomial Matrices. Advances in Computational Mathematics, 2001, 14, 379-391.	1.6	3
10	Inhomogeneous refinement equations. Journal of Fourier Analysis and Applications, 1998, 4, 733-747.	1.0	28
11	Approximation by translates of refinable functions. Numerische Mathematik, 1996, 73, 75-94.	1.9	136
12	CREATING AND COMPARING WAVELETS. , 1996, , 345-354.		0
13	Paradox lost: Natural boundary conditions in the Ritz-Galerkin method. International Journal for Numerical Methods in Engineering, 1988, 26, 2255-2266.	2.8	10
14	Optimal design in elasticity and plasticity. International Journal for Numerical Methods in Engineering, 1986, 22, 183-188.	2.8	63
15	Duality in the Classroom. American Mathematical Monthly, 1984, 91, 250-254.	0.3	5
16	The Width of a Chair. American Mathematical Monthly, 1982, 89, 529-534.	0.3	12
17	A homework exercise in finite elements. International Journal for Numerical Methods in Engineering, 1977, 11, 411-417.	2.8	3
18	Approximation in the finite element method. Numerische Mathematik, 1972, 19, 81-98.	1.9	134

#	Article	IF	Citations
19	On multiple characteristics and the levi-lax conditions for hyperbolicity. Archive for Rational Mechanics and Analysis, 1969, 33, 358-373.	2.4	8