

Richard Kollar

List of Publications by Year in descending order

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13
papers

147
citations

1478505

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1199594

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16
all docs

16
docs citations

16
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphical Krein Signature Theory and Evans–Krein Functions. <i>SIAM Review</i> , 2014, 56, 73-123.	9.5	31
2	Spectral Stability of Vortices in Two-Dimensional Bose–Einstein Condensates via the Evans Function and Krein Signature. <i>Applied Mathematics Research EXpress</i> , 2012, 2012, 1-46.	1.0	25
3	Stability of Periodic Traveling Wave Solutions to the Kawahara Equation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2018, 17, 2761-2783.	1.6	18
4	Coherent Structures Generated by Inhomogeneities in Oscillatory Media. <i>SIAM Journal on Applied Dynamical Systems</i> , 2007, 6, 236-262.	1.6	13
5	Homotopy Method for Nonlinear Eigenvalue Pencils with Applications. <i>SIAM Journal on Mathematical Analysis</i> , 2011, 43, 612-633.	1.9	11
6	Direct Characterization of Spectral Stability of Small-Amplitude Periodic Waves in Scalar Hamiltonian Problems via Dispersion Relation. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 3145-3169.	1.9	9
7	Existence of Traveling Waves for the Generalized F–KPP Equation. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 525-559.	1.9	6
8	Spatial scales, patterns, and positivity trends of SARS-CoV-2 pandemics in mass rapid antigen testing in Slovakia. <i>PLoS ONE</i> , 2021, 16, e0256669.	2.5	5
9	Extension and Justification of Quasi-Steady-State Approximation for Reversible Bimolecular Binding. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 1401-1436.	1.9	4
10	Emerging algebraic growth trends in SARS-CoV-2 pandemic data. <i>Physical Biology</i> , 2020, 17, 065012.	1.8	4
11	Discontinuous wave equations and a topological degree for some classes of multi-valued mappings. <i>Applications of Mathematics</i> , 1999, 44, 15-32.	0.9	3
12	Mathematical model of alternative mechanism of telomere length maintenance. <i>Physical Review E</i> , 2014, 89, 032701.	2.1	3
13	Spatial Gene Frequency Waves Under Genotype-Dependent Dispersal. <i>Genetics</i> , 2017, 205, 367-374.	2.9	1