

Robert J Sacker

List of Publications by Year in descending order

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36
papers

1,648
citations

566801

15
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	A spectral theory for linear differential systems. <i>Journal of Differential Equations</i> , 1978, 27, 320-358.	1.1	420
2	Existence of dichotomies and invariant splittings for linear differential systems I. <i>Journal of Differential Equations</i> , 1974, 15, 429-458.	1.1	210
3	Existence of dichotomies and invariant splittings for linear differential systems, II. <i>Journal of Differential Equations</i> , 1976, 22, 478-496.	1.1	162
4	A new approach to the perturbation theory of invariant surfaces. <i>Communications on Pure and Applied Mathematics</i> , 1965, 18, 717-732.	1.2	114
5	Existence of dichotomies and invariant splittings for linear differential systems, III. <i>Journal of Differential Equations</i> , 1976, 22, 497-522.	1.1	100
6	Global stability of periodic orbits of non-autonomous difference equations and population biology. <i>Journal of Differential Equations</i> , 2005, 208, 258-273.	1.1	97
7	Lifting properties in skew-product flows with applications to differential equations. <i>Memoirs of the American Mathematical Society</i> , 1977, 11, 0-0.	0.5	82
8	Nonautonomous Beverton-Holt equations and the Cushing-Henson conjectures. <i>Journal of Difference Equations and Applications</i> , 2005, 11, 337-346.	0.7	74
9	Population models with Allee effect: a new model. <i>Journal of Biological Dynamics</i> , 2010, 4, 397-408.	0.8	71
10	Periodic difference equations, population biology and the Cushing-Henson conjectures. <i>Mathematical Biosciences</i> , 2006, 201, 195-207.	0.9	49
11	A note on periodic Ricker maps. <i>Journal of Difference Equations and Applications</i> , 2007, 13, 89-92.	0.7	33
12	Existence of dichotomies and invariant splittings for linear differential systems IV. <i>Journal of Differential Equations</i> , 1978, 27, 106-137.	1.1	32
13	Global stability in the 2D Ricker equation. <i>Journal of Difference Equations and Applications</i> , 2015, 21, 1068-1081.	0.7	21
14	The Stochastic Beverton-Holt Equation and the M. Neubert Conjecture. <i>Journal of Dynamics and Differential Equations</i> , 2005, 17, 825-844.	1.0	17
15	A conjecture on the stability of the periodic solutions of Ricker's equation with periodic parameters. <i>Applied Mathematics and Computation</i> , 2010, 217, 1213-1219.	1.4	16
16	A New Approach to Cycling in a 2-locus 2-allele Genetic Model. <i>Journal of Difference Equations and Applications</i> , 2003, 9, 441-448.	0.7	15
17	On invariant surfaces and bifurcation of periodic solutions of ordinary differential equations. <i>Journal of Difference Equations and Applications</i> , 2009, 15, 759-774.	0.7	15
18	Neimark-Sacker bifurcation. <i>Scholarpedia Journal</i> , 2008, 3, 1845.	0.3	15

#	ARTICLE	IF	CITATIONS
19	Skew-product flows, finite extensions of minimal transformation groups and almost periodic differential equations. <i>Bulletin of the American Mathematical Society</i> , 1973, 79, 802-806.	3.0	14
20	Introduction to the 2009 re-publication of the "Neimark" Sacker bifurcation theorem™. <i>Journal of Difference Equations and Applications</i> , 2009, 15, 753-758.	0.7	14
21	Difference equations with the Allee effect and the periodic Sigmoid Beverton-Holt equation revisited. <i>Journal of Biological Dynamics</i> , 2012, 6, 1019-1033.	0.8	13
22	Dynamic reduction with applications to mathematical biology and other areas. <i>Journal of Biological Dynamics</i> , 2007, 1, 437-453.	0.8	11
23	Semigroups of maps and periodic difference equations. <i>Journal of Difference Equations and Applications</i> , 2010, 16, 1-13.	0.7	8
24	Global stability in the 2D Ricker equation revisited. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 585-604.	0.5	8
25	Global stability in a multi-species periodic Leslie-Gower model. <i>Journal of Biological Dynamics</i> , 2011, 5, 549-562.	0.8	6
26	On a discrete selection-mutation model. <i>Journal of Difference Equations and Applications</i> , 2014, 20, 1383-1403.	0.7	5
27	Almost periodicity, Ricker map, Beverton-Holt map and others, a general method. <i>Journal of Difference Equations and Applications</i> , 2017, 23, 1286-1297.	0.7	5
28	Resonance and attenuation in the n -periodic Beverton-Holt equation. <i>Journal of Difference Equations and Applications</i> , 2013, 19, 1174-1191.	0.7	4
29	Global Asymptotic Stability in the Jia Li Model for Genetically Altered mosquitoes. , 2005, , .		4
30	An invariance theorem for mappings. <i>Journal of Difference Equations and Applications</i> , 2012, 18, 163-166.	0.7	3
31	A Note: An Invariance Theorem for Mappings II. <i>Journal of Dynamics and Differential Equations</i> , 2012, 24, 595-599.	1.0	2
32	Bifurcation in the almost periodic Ricker map. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 599-618.	0.7	2
33	A New Metric Yielding a Richer Class of Unbounded Functions Having Compact Hulls in the Shift Flow. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 833-848.	1.0	2
34	Attenuation in the almost periodic Beverton-Holt equation. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 542-547.	0.7	1
35	Periodic unimodal Allee maps, the semigroup property and the λ -Ricker map with Allee effect. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 589-606.	0.5	1
36	Bifurcation in the almost periodic λ Ricker map. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 1263.	0.5	0