

Adam Bobrowski

List of Publications by Year in descending order

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59
papers

586
citations

840776

11
h-index

888059

17
g-index

69
all docs

69
docs citations

69
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion approximation for a simple kinetic model with asymmetric interface. <i>Journal of Evolution Equations</i> , 2022, 22, .	1.1	3
2	Semigroup-theoretic approach to diffusion in thin layers separated by semi-permeable membranes. <i>Journal of Evolution Equations</i> , 2021, 21, 1019-1057.	1.1	5
3	Modeling Diffusion in Thin 2D Layers Separated by a Semipermeable Membrane. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 3222-3251.	1.9	3
4	On convergence and asymptotic behaviour of semigroups of operators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190613.	3.4	0
5	A Note on Integrability of the Norm of a Perturbed Semigroup. <i>Results in Mathematics</i> , 2020, 75, 1.	0.8	1
6	Splash of Solid Particles as a Stochastic Point Process. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2475-2490.	2.8	11
7	Robin-type boundary conditions in transition from reaction-diffusion equations in 3D domains to equations in 2D domains. <i>Journal of Differential Equations</i> , 2019, 268, 239-271.	2.2	6
8	Irregular convergence of mild solutions of semilinear equations. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 472, 1401-1419.	1.0	9
9	A note on generalized Euler's formula. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 473, 1155-1164.	1.0	0
10	Notes on Jan Maria Kisynski's Life and Scientific Work. <i>Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software</i> , 2018, 11, 123-133.	0.4	0
11	Lord Kelvin and Andrey Andreyevich Markov in a Queue with Single Server. <i>Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software</i> , 2018, 11, 29-43.	0.4	0
12	An averaging principle for fast diffusions in domains separated by semi-permeable membranes. <i>Mathematical Models and Methods in Applied Sciences</i> , 2017, 27, 663-706.	3.3	10
13	On Wallen-type formulae for integrated semigroups and sine functions. <i>Archiv Der Mathematik</i> , 2017, 108, 395-404.	0.5	1
14	On Hille-type approximation of degenerate semigroups of operators. <i>Linear Algebra and Its Applications</i> , 2016, 511, 31-53.	0.9	3
15	Emergence of Freidlin-Wentzell's transmission conditions as a result of a singular perturbation of a semigroup. <i>Semigroup Forum</i> , 2016, 92, 1-22.	0.6	4
16	Singular perturbations involving fast diffusion. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 427, 1004-1026.	1.0	10
17	On a somewhat forgotten condition of Hasegawa and on Blackwell's example. <i>Archiv Der Mathematik</i> , 2015, 104, 237-246.	0.5	2
18	On close-to-scalar one-parameter cosine families. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 429, 383-394.	1.0	7

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19	A semigroup related to a convex combination of boundary conditions obtained as a result of averaging other semigroups. <i>Journal of Evolution Equations</i> , 2015, 15, 223-237.	1.1	7
20	Boundary Conditions in Evolutionary Equations in Biology. <i>Lecture Notes in Mathematics</i> , 2015, , 47-92.	0.2	6
21	Families of Operators Describing Diffusion Through Permeable Membranes. <i>Operator Theory: Advances and Applications</i> , 2015, , 87-105.	0.2	4
22	Functionals-preserving cosine families generated by Laplace operators in $C[0,1]$. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 1877-1895.	0.9	2
23	A general theorem on generation of moments-preserving cosine families by Laplace operators in $C[0,1]$. <i>Semigroup Forum</i> , 2014, 88, 689-701.	0.6	4
24	On moments-preserving cosine families and semigroups in $C[0, 1]$. <i>Journal of Evolution Equations</i> , 2013, 13, 715-735.	1.1	15
25	Cosine families and semigroups really differ. <i>Journal of Evolution Equations</i> , 2013, 13, 897-916.	1.1	9
26	Isolated points of some sets of bounded cosine families, bounded semigroups, and bounded groups on a Banach space. <i>Studia Mathematica</i> , 2013, 217, 219-241.	0.7	10
27	From Diffusions on Graphs to Markov Chains via Asymptotic State Lumping. <i>Annales Henri Poincare</i> , 2012, 13, 1501-1510.	1.7	28
28	On shape preserving semigroups. <i>Archiv Der Mathematik</i> , 2012, 98, 37-48.	0.5	2
29	From a PDE model to an ODE model of dynamics of synaptic depression. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012, 17, 2313-2327.	0.9	16
30	Two theorems on singularly perturbed semigroups with applications to models of applied mathematics. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012, 17, 735-757.	0.9	2
31	Time to the MRCA of a sample in a Wright-Fisher model with variable population size. <i>Theoretical Population Biology</i> , 2011, 80, 265-271.	1.1	1
32	Asymptotic behavior of a Moran model with mutations, drift and recombination among multiple loci. <i>Journal of Mathematical Biology</i> , 2010, 61, 455-473.	1.9	8
33	Generation of cosine families via Lord Kelvin's method of images. <i>Journal of Evolution Equations</i> , 2010, 10, 663-675.	1.1	17
34	Lord Kelvin's method of images in semigroup theory. <i>Semigroup Forum</i> , 2010, 81, 435-445.	0.6	15
35	Non-homogeneous infinitely many sites discrete-time model with exact coalescent. <i>Mathematical Methods in the Applied Sciences</i> , 2010, 33, 713-732.	2.3	2
36	Interplay between degenerate convergence of semigroups and asymptotic analysis: a study of a singularly perturbed abstract telegraph system. <i>Journal of Evolution Equations</i> , 2009, 9, 293-314.	1.1	11

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37	Correction to "Degenerate convergence of semigroups related to a model of stochastic gene expression". Semigroup Forum, 2008, 77, 520-521.	0.6	0
38	Semigroups generated by convex combinations of several Feller generators in models of mathematical biology. Studia Mathematica, 2008, 189, 287-300.	0.7	5
39	Asymptotic behavior of a Feller evolution family involved in the Fisher-Wright model. Advances in Applied Probability, 2008, 40, 734-758.	0.7	1
40	Asymptotic behavior of a Feller evolution family involved in the Fisher-Wright model. Advances in Applied Probability, 2008, 40, 734-758.	0.7	1
41	On Limitations and Insufficiency of the Trotter-Kato Theorem. Semigroup Forum, 2007, 75, 317-336.	0.6	13
42	On a semigroup generated by a convex combination of two Feller generators. Journal of Evolution Equations, 2007, 7, 555-565.	1.1	11
43	Asymptotic behavior of distributions of mRNA and protein levels in a model of stochastic gene expression. Journal of Mathematical Analysis and Applications, 2007, 333, 753-769.	1.0	45
44	Degenerate Convergence of Semigroups Related to a Model of Stochastic Gene Expression. Semigroup Forum, 2006, 73, 345-366.	0.6	18
45	On a functional equation with derivative and symmetrization. Annales Polonici Mathematici, 2006, 89, 13-24.	0.5	2
46	Asymptotic behavior of joint distributions of characteristics of a pair of randomly chosen individuals in discrete-time Fisher-Wright models with mutations and drift. Theoretical Population Biology, 2004, 66, 355-367.	1.1	11
47	Quasi-stationary distributions of a pair of Markov chains related to time evolution of a DNA locus. Advances in Applied Probability, 2004, 36, 57-77.	0.7	5
48	Quasi-stationary distributions of a pair of Markov chains related to time evolution of a DNA locus. Advances in Applied Probability, 2004, 36, 57-77.	0.7	5
49	A random evolution related to a Fisher-Wright-Moran model with mutation, recombination and drift. Mathematical Methods in the Applied Sciences, 2003, 26, 1587-1599.	2.3	9
50	Non-homogeneous infinite sites model under demographic change: mathematical description and asymptotic behavior of pairwise distributions. Mathematical Biosciences, 2002, 175, 83-115.	1.9	15
51	A semigroup representation and asymptotic behavior of certain statistics of the fisher-wright-moran coalescent. Handbook of Statistics, 2001, 19, 215-247.	0.6	10
52	Inversion of the Laplace Transform and Generation of Abel Summable Semigroups. Journal of Functional Analysis, 2001, 186, 1-24.	1.4	2
53	ASYMPTOTIC BEHAVIOUR OF AN OPERATOR EXPONENTIAL RELATED TO BRANCHING RANDOM WALK MODELS OF DNA REPEATS. Journal of Biological Systems, 1999, 07, 33-43.	1.4	6
54	A note on convergence of semigroups. Annales Polonici Mathematici, 1998, 69, 107-127.	0.5	10

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55	On the generation of non-continuous semigroups. Semigroup Forum, 1997, 54, 237-252.	0.6	6
56	On the Yosida approximation and the Widder-Arendt representation theorem. Studia Mathematica, 1997, 124, 281-290.	0.7	14
57	Generalized telegraph equation and the Sova-Kurtz version of the Trotter-Kato theorem. Annales Polonici Mathematici, 1996, 64, 37-45.	0.5	8
58	Degenerate convergence of semigroups. Semigroup Forum, 1994, 49, 303-327.	0.6	22
59	From convergence of operator semigroups to gene expression, and back again. , 0, , .		0