

Kristian Uldall Kristiansen

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	On the Use of Blowup to Study Regularizations of Singularities of Piecewise Smooth Dynamical Systems in \mathbb{R}^3 . SIAM Journal on Applied Dynamical Systems, 2015, 14, 382-422.	1.6	36
2	Regularizations of Two-Fold Bifurcations in Planar Piecewise Smooth Systems Using Blowup. SIAM Journal on Applied Dynamical Systems, 2015, 14, 1731-1786.	1.6	31
3	Blowup for flat slow manifolds. Nonlinearity, 2017, 30, 2138-2184.	1.4	24
4	Resolution of the Piecewise Smooth Visible-Invisible Two-Fold Singularity in \mathbb{R}^3 Using Regularization and Blowup. Journal of Nonlinear Science, 2019, 29, 723-787.	2.1	20
5	A Unification of Models of Tethered Satellites. SIAM Journal on Applied Dynamical Systems, 2011, 10, 1042-1069.	1.6	15
6	Relative attitude dynamics and control for a satellite inspection mission. Acta Astronautica, 2012, 71, 109-118.	3.2	15
7	The Regularized Visible Fold Revisited. Journal of Nonlinear Science, 2020, 30, 2463-2511.	2.1	15
8	Numerical modelling of elastic space tethers. Celestial Mechanics and Dynamical Astronomy, 2012, 113, 235-254.	1.4	14
9	Exponential estimates of symplectic slow manifolds. Journal of Differential Equations, 2016, 261, 56-101.	2.2	13
10	Singular limit analysis of a model for earthquake faulting. Nonlinearity, 2017, 30, 2805-2834.	1.4	13
11	Regularization and Geometry of Piecewise Smooth Systems with Intersecting Discontinuity Sets. SIAM Journal on Applied Dynamical Systems, 2019, 18, 1225-1264.	1.6	13
12	Singularly perturbed boundary-focus bifurcations. Journal of Differential Equations, 2021, 296, 412-492.	2.2	13
13	Canards in Stiction: On Solutions of a Friction Oscillator by Regularization. SIAM Journal on Applied Dynamical Systems, 2017, 16, 2233-2258.	1.6	11
14	On the regularization of impact without collision: the Painlevé paradox and compliance. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160773.	2.1	11
15	Relaxation oscillations in substrate-depletion oscillators close to the nonsmooth limit. Nonlinearity, 2021, 34, 1030-1083.	1.4	11
16	Le Canard de Painlevé. SIAM Journal on Applied Dynamical Systems, 2018, 17, 859-908.	1.6	9
17	A Stiction Oscillator with Canards: On Piecewise Smooth Nonuniqueness and Its Resolution by Regularization Using Geometric Singular Perturbation Theory. SIAM Review, 2020, 62, 869-897.	9.5	8
18	Singularly perturbed boundary-equilibrium bifurcations. Nonlinearity, 2021, 34, 7371-7414.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Relative motion of satellites exploiting the super-integrability of Kepler's problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2010, 106, 371-390.	1.4	7
20	An Iterative Method for the Approximation of Fibers in Slow-Fast Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2014, 13, 861-900.	1.6	7
21	A new type of relaxation oscillation in a model with rate-and-state friction. <i>Nonlinearity</i> , 2020, 33, 2960-3037.	1.4	7
22	The Persistence of a Slow Manifold with Bifurcation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2012, 11, 661-683.	1.6	6
23	Geometric singular perturbation analysis of a dynamical target mediated drug disposition model. <i>Journal of Mathematical Biology</i> , 2019, 79, 187-222.	1.9	6
24	Computation of Saddle-Type Slow Manifolds Using Iterative Methods. <i>SIAM Journal on Applied Dynamical Systems</i> , 2015, 14, 1189-1227.	1.6	5
25	On the approximation of the canard explosion point in singularly perturbed systems without an explicit small parameter. <i>Dynamical Systems</i> , 2018, 33, 136-158.	0.4	5
26	Dynamic Systems Approach to the Lander Descent Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 911-915.	2.8	4
27	The Geometry of the Painlevé Paradox. <i>SIAM Journal on Applied Dynamical Systems</i> , 2022, 21, 1798-1831.	1.6	4
28	Regularization of Isolated Codimension-2 Discontinuity Sets. <i>SIAM Journal on Applied Dynamical Systems</i> , 2021, 20, 2630-2670.	1.6	3
29	Periodic orbits near a bifurcating slow manifold. <i>Journal of Differential Equations</i> , 2015, 259, 4561-4614.	2.2	2
30	On the Pitchfork Bifurcation of the Folded Node and Other Unbounded Time-Reversible Connection Problems in \mathbb{R}^3 . <i>SIAM Journal on Applied Dynamical Systems</i> , 2020, 19, 2059-2102.	1.6	2
31	A Stiction Oscillator under Slowly Varying Forcing: Uncovering Small Scale Phenomena using Blowup. <i>SIAM Journal on Applied Dynamical Systems</i> , 2021, 20, 2359-2390.	1.6	2
32	The two-body problem of a pseudo-rigid body and a rigid sphere. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2012, 112, 169-190.	1.4	1