Ryszard Kozera

List of Publications by Year in descending order

77	568	758635 12	752256 20
papers	citations	h-index	g-index

81	81	81	160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification ofÂSoil Bacteria Based onÂMachine Learning andÂImage Processing. Lecture Notes in Computer Science, 2022, , 263-277.	1.0	3
2	Non-Generic Case ofÂLeap-Frog forÂOptimal Knots Selection inÂFitting Reduced Data. Lecture Notes in Computer Science, 2022, , 341-354.	1.0	2
3	Exponential parameterization to fit reduced data. Applied Mathematics and Computation, 2021, 391, 125645.	1.4	4
4	Generic Case of Leap-Frog Algorithm for Optimal Knots Selection in Fitting Reduced Data. Lecture Notes in Computer Science, 2021, , 337-350.	1.0	4
5	A Note on Modified Hermite Interpolation. Mathematics in Computer Science, 2020, 14, 223-239.	0.2	2
6	Parameterizations and Lagrange Cubics for Fitting Multidimensional Data. Lecture Notes in Computer Science, 2020, , 124-140.	1.0	5
7	A Modified Hermite Interpolation with Exponential Parameterization. Mathematics in Computer Science, 2019, 13, 143-155.	0.2	4
8	Efficient numerical algorithms for constructing orthogonal generalized doubly stochastic matrices. Applied Numerical Mathematics, 2019, 142, 16-27.	1.2	2
9	Fitting Dense and Sparse Reduced Data. Advances in Intelligent Systems and Computing, 2019, , 3-17.	0.5	3
10	Integrated multi-channel optical system for bacteria characterization and its potential use for monitoring of environmental bacteria. Biomedical Optics Express, 2019, 10, 1165.	1.5	10
11	CONVERGENCE ORDER IN TRAJECTORY ESTIMATION BY PIECEWISE-CUBICS AND EXPONENTIAL PARAMETERIZATION. Mathematical Modelling and Analysis, 2019, 24, 72-94.	0.7	3
12	Application of Computer Algebra to the Reconstruction of Surface from Its Photometric Images. Programming and Computer Software, 2018, 44, 546-553.	0.5	0
13	Workshop on Numerical Computation in 2D & 3D Data Analysis, WNCDA 2017 Symposium 18, ICNAAM 2017. AIP Conference Proceedings, 2018, , .	0.3	0
14	Numerical properties of block Cholesky-like methods for solving symmetric quasi-definite linear systems. AIP Conference Proceedings, 2018, , .	0.3	0
15	Application of Computer Algebra to Photometric Stereo with Two Light Sources. Programming and Computer Software, 2018, 44, 112-119.	0.5	3
16	ON MATHEMATICAL MODELLING OF SYNTHETIC MEASURES. Mathematical Modelling and Analysis, 2018, 23, 699-711.	0.7	6
17	Second-Order Algebraic Surfaces and Two Image Photometric Stereo. Lecture Notes in Computer Science, 2018, , 234-247.	1.0	2
18	MODELLING OF WEAR UNDER THE CONDITIONS OF HIGH SLIDING SPEEDS. Tribologia, 2018, 280, 113-119.	0.0	0

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19	Application of computer algebra for the reconstruction of surfaces from their photometric stereo images. Programming and Computer Software, 2017, 43, 98-104.	0.5	3
20	Preface on Numerical Computation in 2D & 3D Data Analysis. AIP Conference Proceedings, 2017, , .	0.3	0
21	Non-linearity and Non-convexity in Optimal Knots Selection for Sparse Reduced Data. Lecture Notes in Computer Science, 2017, , 257-271.	1.0	4
22	Genetic Characterization of a Novel Composite Transposon Carrying armA and aac(6)-Ib Genes in an Escherichia coli Isolate from Egypt. Polish Journal of Microbiology, 2017, 66, 163-169.	0.6	20
23	ON THE CHOICE OF SYNTHETIC MEASURES FOR ASSESSING ECONOMIC EFFECTS. Metody IloÅ›ciowe W Badaniach Ekonomicznych, 2017, 18, 7-17.	0.1	1
24	Preface of the â€œWorkshop on Numerical and Symbolic Computation in Computer Vision and Data Management WNSCCVDM 2015â€• AIP Conference Proceedings, 2016, , .	0.3	0
25	Modelling reduced sparse data. Proceedings of SPIE, 2016, , .	0.8	1
26	Optimal Knots Selection for Sparse Reduced Data. Lecture Notes in Computer Science, 2016, , 3-14.	1.0	7
27	Orthogonal Illuminations in Two Light-Source Photometric Stereo. Lecture Notes in Computer Science, 2016, , 402-415.	1.0	4
28	Computerized Classification Systemfor the Identification of Soil Microorganisms. Applied Mathematics and Information Sciences, 2016, 10, 21-31.	0.7	5
29	Exponential Parameterization and Ïµ-Uniformly Sampled Reduced Data. Applied Mathematics and Information Sciences, 2016, 10, 33-48.	0.7	5
30	Convergence Orders in Length Estimation with Exponential Parameterization and Ïµ-Uniformly Sampled Reduced Data. Applied Mathematics and Information Sciences, 2016, 10, 107-115.	0.7	4
31	Alternative Method of Measuring Concentration. Applied Mathematics and Information Sciences, 2016, 10, 11-19.	0.7	3
32	Discrete Analogs of the Comparison Theorem and Two-Sided Estimates of Solution of Parabolic Equations. Applied Mathematics and Information Sciences, 2016, 10, 83-92.	0.7	1
33	Integrated Parallel 2D-Leap-Frog Algorithm for Noisy Three Image Photometric Stereo. Lecture Notes in Computer Science, 2016, , 73-87.	1.0	1
34	Preface of the â€œWorkshop on numerical and symbolic computation in surface and curve modelingâ€• AIP Conference Proceedings, 2015, , .	0.3	0
35	Computerized classification system for the identification of soil microorganisms. AIP Conference Proceedings, 2015, , .	0.3	4
36	Piecewise-Quadratics and Reparameterizations for Interpolating Reduced Data. Lecture Notes in Computer Science, 2015, , 260-274.	1.0	7

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37	The Impact of the TPM Weights Distribution on Network Synchronization Time. Lecture Notes in Computer Science, 2015, , 451-460.	1.0	20
38	A Modified Complete Spline Interpolation and Exponential Parameterization. Lecture Notes in Computer Science, 2015, , 98-110.	1.0	7
39	Lagrange Piecewise-Quadratic Interpolation Based on Planar Unordered Reduced Data. Lecture Notes in Computer Science, 2015, , 423-434.	1.0	0
40	Quartic Orders and Sharpness in Trajectory Estimation for Smooth Cumulative Chord Cubics. Lecture Notes in Computer Science, 2014, , 9-16.	1.0	3
41	Sharpness in Trajectory Estimation for Planar Four-points Piecewise-Quadratic Interpolation. Lecture Notes in Computer Science, 2014, , 271-285.	1.0	0
42	Conjugate Gradient in Noisy Photometric Stereo. Lecture Notes in Computer Science, 2014, , 338-346.	1.0	2
43	Length Estimation for Exponential Parameterization and Îµ-Uniform Samplings. Lecture Notes in Computer Science, 2014, , 33-46.	1.0	3
44	Piecewise-quadratics and exponential parameterization for reduced data. Applied Mathematics and Computation, 2013, 221, 620-638.	1.4	23
45	Threshold Method of Detecting Long-Time TPM Synchronization. Lecture Notes in Computer Science, 2013, , 241-252.	1.0	8
46	Trajectory Estimation for Exponential Parameterization and Different Samplings. Lecture Notes in Computer Science, 2013, , 430-441.	1.0	6
47	DISTRIBUTION OF THE TREE PARITY MACHINE SYNCHRONIZATION TIME. Advances in Science and Technology Research Journal, 2013, 7, 20-27.	0.4	10
48	REDUCED DATA FOR CURVE MODELING â€“ APPLICATIONS IN GRAPHICS, COMPUTER VISION AND PHYSICS. Advances in Science and Technology Research Journal, 2013, 7, 28-35.	0.4	13
49	APPLICATION OF THE MINIRHIZOTRON TECHNIQUE TO STUDYING THE ROOTS OF FRUIT PLANTS. Advances in Science and Technology Research Journal, 2013, 7, 45-53.	0.4	2
50	Outlier Removal in 2D Leap Frog Algorithm. Lecture Notes in Computer Science, 2012, , 146-157.	1.0	2
51	Robust Surface Fitting from Two Views using Restricted Correspondence. Journal of Mathematical Imaging and Vision, 2009, 34, 200-221.	0.8	3
52	Recognising Algebraic Surfaces from Two Outlines. Journal of Mathematical Imaging and Vision, 2008, 30, 181-193.	0.8	1
53	SHAPE RECOVERY OF A STRICTLY CONVEX FROM N-VIEWS SOLID. , 2006, , 57-65.		2
54	SMOOTH INTERPOLATION WITH CUMULATIVE CHORD CUBICS. , 2006, , 87-94.		3

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55	NOISE REDUCTION IN PHOTOMETRIC STEREO WITH NON-DISTANT LIGHT SOURCES. , 2006, , 103-110.		3
56	Nonlinearities and Noise Reduction in 3-Source Photometric Stereo. Journal of Mathematical Imaging and Vision, 2003, 18, 119-127.	0.8	30
57	Denoising Images: Non-linear Leap-Frog for Shape and Light-Source Recovery. Lecture Notes in Computer Science, 2003, , 419-436.	1.0	10
58	A Knowledge-Based Technique for Constraints Satisfaction in Manpower Allocation. Lecture Notes in Computer Science, 2003, , 100-108.	1.0	1
59	More-or-less-uniform sampling and lengths of curves. Quarterly of Applied Mathematics, 2003, 61, 475-484.	0.5	22
60	Cumulative Chord Piecewise-Quartics for Length and Curve Estimation. Lecture Notes in Computer Science, 2003, , 697-705.	1.0	2
61	Interpolating Sporadic Data. Lecture Notes in Computer Science, 2002, , 613-625.	1.0	12
62	The 2-D Leap-Frog: Integrability, Noise, and Digitization. Lecture Notes in Computer Science, 2001, , 352-364.	1.0	9
63	Length Estimation for Curves with Different Samplings. Lecture Notes in Computer Science, 2001, , 339-351.	1.0	12
64	Length Estimation for Curves with Îµ-Uniform Sampling. Lecture Notes in Computer Science, 2001, , 518-526.	1.0	6
65	Evaluation of Numerical Solution Schemes for Differential Equations. Computational Imaging and Vision, 2000, , 153-166.	0.6	1
66	‹title›Lawn-mowing algorithm for noisy gradient vector fields‹/title›. , 1999, 3811, 305.		12
67	‹title›2D leapfrog algorithm for optimal surface reconstruction‹/title›. , 1999, 3811, 317.		9
68	Uniqueness in Shape from Shading Revisited. Journal of Mathematical Imaging and Vision, 1997, 7, 123-138.	0.8	29
69	Recent uniqueness results in shape from shading. , 1997, , 169-179.		0
70	On complete integrals and uniqueness in shape from shading. Applied Mathematics and Computation, 1995, 73, 1-37.	1.4	17
71	An algorithm for a linear shape-from-shading problem. Lecture Notes in Computer Science, 1995, , 408-415.	1.0	2
72	ON SHAPE RECOVERY FROM TWO SHADING PATTERNS. International Journal of Pattern Recognition and Artificial Intelligence, 1992, 06, 673-698.	0.7	27

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73	Impossible and ambiguous shading patterns. International Journal of Computer Vision, 1992, 7, 119-126.	10.9	39
74	Circularly symmetric eikonal equations and non-uniqueness in computer vision. Journal of Mathematical Analysis and Applications, 1992, 165, 192-215.	0.5	17
75	Shading without shape. Quarterly of Applied Mathematics, 1992, 50, 27-38.	0.5	21
76	Existence and uniqueness in photometric stereo. Applied Mathematics and Computation, 1991, 44, 1-103.	1.4	45
77	DISTANCE OF THE INITIAL WEIGHTS OF TREE PARITY MACHINE DRAWN FROM DIFFERENT DISTRIBUTIONS. Advances in Science and Technology Research Journal, 0, 9, 137-142.	0.4	2