

Alberto Seeger

List of Publications by Year in descending order

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75
papers

793
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567281

15
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580821

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76
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	Eigenvalue analysis of equilibrium processes defined by linear complementarity conditions. <i>Linear Algebra and Its Applications</i> , 1999, 292, 1-14.	0.9	94
2	Directional derivative of a minimax function. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1985, 9, 13-22.	1.1	87
3	A nonsmooth algorithm for cone-constrained eigenvalue problems. <i>Computational Optimization and Applications</i> , 2011, 49, 299-318.	1.6	52
4	On eigenvalues induced by a cone constraint. <i>Linear Algebra and Its Applications</i> , 2003, 372, 181-206.	0.9	51
5	On pairs of vectors achieving the maximal angle of a convex cone. <i>Mathematical Programming</i> , 2005, 104, 501-523.	2.4	29
6	Axiomatization of the index of pointedness for closed convex cones. <i>Computational and Applied Mathematics</i> , 2005, 24, .	1.3	25
7	Searching for critical angles in a convex cone. <i>Mathematical Programming</i> , 2009, 120, 3-25.	2.4	22
8	Local minima of quadratic forms on convex cones. <i>Journal of Global Optimization</i> , 2009, 44, 1-28.	1.8	22
9	Inradius and Circumradius of Various Convex Cones Arising in Applications. <i>Set-Valued and Variational Analysis</i> , 2010, 18, 483-511.	1.1	21
10	Numerical resolution of cone-constrained eigenvalue problems. <i>Computational and Applied Mathematics</i> , 2009, 28, .	1.3	20
11	On Properties of Different Notions of Centers for Convex Cones. <i>Set-Valued and Variational Analysis</i> , 2010, 18, 205-231.	1.1	20
12	Complementarity eigenvalue analysis of connected graphs. <i>Linear Algebra and Its Applications</i> , 2018, 543, 205-225.	0.9	20
13	Angular analysis of two classes of non-polyhedral convex cones: the point of view of optimization theory. <i>Computational and Applied Mathematics</i> , 2007, 26, .	1.3	18
14	Quadratic Eigenvalue Problems under Conic Constraints. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2011, 32, 700-721.	1.4	18
15	On cardinality of Pareto spectra. <i>Electronic Journal of Linear Algebra</i> , 0, 22, .	0.6	18
16	On convex cones with infinitely many critical angles. <i>Optimization</i> , 2007, 56, 115-128.	1.7	16
17	Distance to Uncontrollability for Convex Processes. <i>SIAM Journal on Control and Optimization</i> , 2006, 45, 26-50.	2.1	15
18	Measuring the degree of pointedness of a closed convex cone: a metric approach. <i>Mathematische Nachrichten</i> , 2006, 279, 599-618.	0.8	14

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19	Deterministic and stochastic methods for computing volumetric moduli of convex cones. Computational and Applied Mathematics, 2010, 29, .	2.2	12
20	Commutation Principle for Variational Problems on Euclidean Jordan Algebras. SIAM Journal on Optimization, 2013, 23, 687-694.	2.0	12
21	Multivalued Exponentiation Analysis. Part I: Maclaurin Exponentials. Set-Valued and Variational Analysis, 2006, 14, 347-379.	0.5	11
22	Antipodal pairs, critical pairs, and Nash angular equilibria in convex cones. Optimization Methods and Software, 2008, 23, 73-93.	2.4	11
23	Critical angles in polyhedral convex cones: numerical and statistical considerations. Mathematical Programming, 2010, 123, 173-198.	2.4	10
24	Equilibrium problems involving the Lorentz cone. Journal of Global Optimization, 2014, 58, 321-340.	1.8	10
25	Solidity indices for convex cones. Positivity, 2012, 16, 685-705.	0.7	8
26	Approximate Euler-Lagrange inclusion, approximate transversality condition, and sensitivity analysis of convex parametric problems of calculus of variations. Set-Valued and Variational Analysis, 1994, 2, 307-325.	0.5	7
27	Computing the radius of pointedness of a convex cone. Mathematical Programming, 2007, 111, 217-241.	2.4	7
28	Critical angles between two convex cones I. General theory. Top, 2016, 24, 44-65.	1.6	7
29	Extremal Problems Involving the Two Largest Complementarity Eigenvalues of a Graph. Graphs and Combinatorics, 2020, 36, 1-25.	0.4	7
30	Condition number and eccentricity of a closed convex cone. Mathematica Scandinavica, 2011, 109, 285.	0.2	7
31	Degree of pointedness of a convex function. Bulletin of the Australian Mathematical Society, 1996, 53, 159-167.	0.5	6
32	Exponentiating a Bundle of Linear Operators. Set-Valued and Variational Analysis, 2006, 14, 159-185.	0.5	6
33	Higher-order spectral analysis and weak asymptotic stability of convex processes. Journal of Mathematical Analysis and Applications, 2006, 318, 155-174.	1.0	6
34	Solving inverse cone-constrained eigenvalue problems. Numerische Mathematik, 2013, 123, 309-331.	1.9	6
35	On cardinality of complementarity spectra of connected graphs. Linear Algebra and Its Applications, 2021, 614, 5-23.	0.9	6
36	Spectral analysis of coupled linear complementarity problems. Linear Algebra and Its Applications, 2010, 432, 2507-2523.	0.9	5

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37	Repetition of Spectral Radiuses Among Connected Induced Subgraphs. <i>Graphs and Combinatorics</i> , 2020, 36, 1131-1144.	0.4	5
38	Epsilon-Eigenvalues of Multivalued Operators. <i>Set-Valued and Variational Analysis</i> , 2003, 11, 273-296.	0.5	4
39	Multivalued Exponentiation Analysis. <i>Set-Valued and Variational Analysis</i> , 2006, 14, 381-411.	0.5	4
40	Antipodality in convex cones and distance to unpointedness. <i>Applied Mathematics Letters</i> , 2008, 21, 1018-1023.	2.7	4
41	Reconstructing a matrix from a partial sampling of Pareto eigenvalues. <i>Computational Optimization and Applications</i> , 2012, 51, 1119-1135.	1.6	4
42	An illumination problem: optimal apex and optimal orientation for a cone of light. <i>Journal of Global Optimization</i> , 2014, 58, 729-750.	1.8	4
43	Centers of sets with symmetry or cyclicity properties. <i>Top</i> , 2014, 22, 716-738.	1.6	4
44	On highly eccentric cones. <i>Beitrage Zur Algebra Und Geometrie</i> , 2014, 55, 521-544.	0.5	4
45	Centers and partial volumes of convex cones I. Basic theory. <i>Beitrage Zur Algebra Und Geometrie</i> , 2015, 56, 227-248.	0.5	4
46	Lipschitz and Hölder continuity results for some functions of cones. <i>Positivity</i> , 2014, 18, 505-517.	0.7	3
47	Centers and partial volumes of convex cones II. Advanced topics. <i>Beitrage Zur Algebra Und Geometrie</i> , 2015, 56, 491-514.	0.5	3
48	Measuring centrality and dispersion in directional datasets: the ellipsoidal cone covering approach. <i>Journal of Global Optimization</i> , 2017, 68, 279-306.	1.8	3
49	New results on Pareto spectra. <i>Linear Algebra and Its Applications</i> , 2020, 588, 338-363.	0.9	3
50	On spectral maps induced by convex cones. <i>Linear Algebra and Its Applications</i> , 2020, 592, 65-92.	0.9	3
51	Sensitivity analysis of nondifferentiable sums of singular values of rectangular matrices. <i>Numerical Functional Analysis and Optimization</i> , 1995, 16, 247-260.	1.4	2
52	Inverse eigenvalue problems for linear complementarity systems. <i>Linear Algebra and Its Applications</i> , 2011, 435, 3029-3044.	0.9	2
53	Visibility and diameter maximization of convex bodies. <i>Forum Mathematicum</i> , 2011, 23, .	0.7	2
54	Complementarity problems with respect to Loewnerian cones. <i>Journal of Global Optimization</i> , 2015, 62, 299-318.	1.8	2

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55	Conic version of Loewner's John ellipsoid theorem. <i>Mathematical Programming</i> , 2016, 155, 403-433.	2.4	2
56	Central axes and peripheral points in high dimensional directional datasets. <i>Computational Optimization and Applications</i> , 2016, 65, 313-338.	1.6	2
57	Critical angles between two convex cones II. Special cases. <i>Top</i> , 2016, 24, 66-87.	1.6	2
58	Measuring Similarity Between Connected Graphs: The Role of Induced Subgraphs and Complementarity Eigenvalues. <i>Graphs and Combinatorics</i> , 2021, 37, 493-525.	0.4	2
59	Spectral radii of friendship graphs and their connected induced subgraphs. <i>Linear and Multilinear Algebra</i> , 2023, 71, 63-87.	1.0	2
60	Critical angles in random polyhedral cones. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 374, 8-21.	1.0	1
61	Orbital Equations for Extremal Problems Under Various Invariance Assumptions. <i>Set-Valued and Variational Analysis</i> , 2013, 21, 503-516.	1.1	1
62	Extremal problems involving isotropic sets and functions on spaces of rectangular matrices. <i>Top</i> , 2014, 22, 1017-1027.	1.6	1
63	Spectral classification of convex cones. <i>Positivity</i> , 2020, 24, 1241-1261.	0.7	1
64	On the maximal number of Pareto eigenvalues in a matrix of given order. <i>Linear and Multilinear Algebra</i> , 2021, 69, 1185-1207.	1.0	1
65	Cone-Constrained Eigenvalue Problems: Structure of Cone Spectra. <i>Set-Valued and Variational Analysis</i> , 2021, 29, 605-619.	1.1	1
66	Vertex-removal, vertex-addition and different notions of similarity for vertices of a graph. <i>Linear and Multilinear Algebra</i> , 2022, 70, 5173-5192.	1.0	1
67	Cross-nonnegativity and monotonicity analysis of nonlinear dynamical systems. <i>Journal of Differential Equations</i> , 2021, 300, 33-52.	2.2	1
68	On Monotonicity of First and Second-order Differential Quotients. <i>Positivity</i> , 1999, 3, 365-376.	0.7	0
69	Régularisation d'ordre supérieur d'une fonction convexe polyédrale : considérations géométriques et probabilistes. <i>Comptes Rendus Mathématique</i> , 2000, 330, 771-774.	0.5	0
70	Valeurs propres relatives à un cône convexe : caractérisation et résultats de cardinalité. <i>Comptes Rendus Mathématique</i> , 2003, 336, 467-470.	0.3	0
71	On Stabilized Point Spectra of Multivalued Systems. <i>Integral Equations and Operator Theory</i> , 2006, 54, 279-300.	0.8	0
72	Uniform Boundedness of Norms of Convex and Nonconvex Processes. <i>Numerical Functional Analysis and Optimization</i> , 2008, 29, 551-573.	1.4	0

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73	Multivalued Exponentiation Analysis. Part III: Forward Exponentials. Set-Valued and Variational Analysis, 2014, 22, 617-638.	1.1	0
74	An illumination problem with tradeoff between coverage of a dataset and aperture angle of a conic light beam. Optimization and Engineering, 2016, 17, 557-575.	2.4	0
75	Inscribed and circumscribed ellipsoidal cones: volume ratio analysis. Beitrage Zur Algebra Und Geometrie, 2018, 59, 717-737.	0.5	0