

JosÃ© Herskovits

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5711251/publications.pdf>

Version: 2024-02-01

34
papers

499
citations

759055

12
h-index

677027

22
g-index

35
all docs

35
docs citations

35
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	An iterative algorithm for limit analysis with nonlinear yield functions. <i>International Journal of Solids and Structures</i> , 1993, 30, 1397-1417.	1.3	91
2	A two-stage feasible directions algorithm for nonlinear constrained optimization. <i>Mathematical Programming</i> , 1986, 36, 19-38.	1.6	86
3	Material distribution and sizing optimization of functionally graded plate-shell structures. <i>Composites Part B: Engineering</i> , 2018, 142, 263-272.	5.9	56
4	Buckling and nonlinear response of functionally graded plates under thermo-mechanical loading. <i>Composite Structures</i> , 2018, 202, 719-730.	3.1	29
5	Active-passive damping in functionally graded sandwich plate/shell structures. <i>Composite Structures</i> , 2018, 202, 324-332.	3.1	23
6	The inverse electromagnetic shaping problem. <i>Structural and Multidisciplinary Optimization</i> , 2009, 38, 389-403.	1.7	19
7	Buckling behavior of composite and functionally graded material plates. <i>European Journal of Mechanics, A/Solids</i> , 2020, 80, 103921.	2.1	19
8	Higher-order finite element models for the static linear and nonlinear behaviour of functionally graded material plate-shell structures. <i>Composite Structures</i> , 2019, 212, 465-475.	3.1	17
9	A View on Nonlinear Optimization. <i>Solid Mechanics and Its Applications</i> , 1995, , 71-116.	0.1	16
10	Optimization theory application to slitted plate bending problems. <i>International Journal of Solids and Structures</i> , 1998, 35, 2679-2694.	1.3	15
11	Inductor shape optimization for electromagnetic casting. <i>Structural and Multidisciplinary Optimization</i> , 2009, 39, 589-606.	1.7	15
12	Interior point algorithms for nonlinear constrained least squares problems. <i>Inverse Problems in Science and Engineering</i> , 2004, 12, 211-223.	1.2	12
13	A feasible directions method for nonsmooth convex optimization. <i>Structural and Multidisciplinary Optimization</i> , 2011, 44, 363-377.	1.7	11
14	Characterisation by Inverse Techniques of Elastic, Viscoelastic and Piezoelectric Properties of Anisotropic Sandwich Adaptive Structures. <i>Applied Composite Materials</i> , 2010, 17, 543-556.	1.3	10
15	Geometrically nonlinear analysis of sandwich structures. <i>Composite Structures</i> , 2016, 156, 135-144.	3.1	10
16	A feasible directions algorithm for nonlinear complementarity problems and applications in mechanics. <i>Structural and Multidisciplinary Optimization</i> , 2009, 37, 435-446.	1.7	9
17	An interior point technique for solving bilevel programming problems. <i>Optimization and Engineering</i> , 2013, 14, 381-394.	1.3	9
18	Globally Convergent Cutting Plane Method for Nonconvex Nonsmooth Minimization. <i>Journal of Optimization Theory and Applications</i> , 2011, 148, 528-549.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Shape optimization for inverse electromagnetic casting problems. Inverse Problems in Science and Engineering, 2012, 20, 951-972.	1.2	8
20	A feasible direction interior point algorithm for nonlinear semidefinite programming. Structural and Multidisciplinary Optimization, 2014, 50, 1019-1035.	1.7	8
21	A quasi-Newton interior point algorithm applied to constrained optimum design in computational fluid dynamics. Revue Europeenne Des Elements, 1996, 5, 595-617.	0.1	6
22	An Interior Point Algorithm for Mixed Complementarity Nonlinear Problems. Journal of Optimization Theory and Applications, 2017, 175, 432-449.	0.8	6
23	Numerical Solution of a Class of Moving Boundary Problems with a Nonlinear Complementarity Approach. Journal of Optimization Theory and Applications, 2016, 168, 534-550.	0.8	5
24	A Mathematical Programming Algorithm for Multidisciplinary Design Optimization. , 2004, , .		3
25	A feasible direction algorithm for general nonlinear semidefinite programming. Structural and Multidisciplinary Optimization, 2017, 55, 1261-1279.	1.7	3
26	A Feasible Direction Interior Point Method for Generalized Nash Equilibrium with Shared Constraints. , 2019, , 248-259.		1
27	Trajectory Optimization of Industrial Robots with a Feasible Direction Interior Point Algorithm. , 2019, , 1360-1371.		1
28	FINITE ELEMENT MODEL FOR NONLINEAR ANALYSIS OF FUNCTIONALLY GRADED PLATE/SHELL STRUCTURES. , 0, , .		1
29	OPTIMIZATION OF LARGE SCALE SYSTEMS. , 2007, , 35-57.		0
30	Structural optimization. Computers and Structures, 2008, 86, 1385.	2.4	0
31	International conference EngOpt 2008. Structural and Multidisciplinary Optimization, 2009, 39, 545-545.	1.7	0
32	MULTIDIMENSIONAL CALIBRATION OF CRUDE OIL AND REFINED PRODUCTS VIA SEMIDEFINITE PROGRAMMING TECHNIQUES. International Journal of Theoretical and Applied Finance, 2019, 22, 1850056.	0.2	0
33	Quasi "Newton Interior Points Algorithms for Nonlinear Constrained Optimization. Operations Research Proceedings: Papers of the Annual Meeting = VortrÄge Der Jahrestagung / DGOR, 1992, , 133-140.	0.1	0
34	Computer implementation and performance of a family of interior point algorithms for engineering design optimization. , 1992, , .		0