Patrick Mehlitz

List of Publications by Year
in descending order

37 papers	325 citations	840119 11 h-index	996533 15 g-index
38 all docs	38 docs citations	38 times ranked	78 citing authors

#	ARTICLE	IF	CITATIONS
1	R-Regularity of Set-Valued Mappings Under the Relaxed Constant Positive Linear Dependence Constraint Qualification with Applications to Parametric and Bilevel Optimization. Set-Valued and Variational Analysis, 2022, 30, 179-205.	0.5	4
2	Subdifferentiation of Nonconvex Sparsity-Promoting Functionals on Lebesgue Spaces. SIAM Journal on Control and Optimization, 2022, 60, 1819-1839.	1.1	2
3	A note on partial calmness for bilevel optimization problems with linearly structured lower level. Optimization Letters, 2021, 15, 1277-1291.	0.9	14
4	Reformulation of the M-Stationarity Conditions as a System of Discontinuous Equations and Its Solution by a Semismooth Newton Method. SIAM Journal on Optimization, 2021, 31, 1459-1488.	1.2	5
5	Coupled versus decoupled penalization of control complementarity constraints. ESAIM - Control, Optimisation and Calculus of Variations, 2021, 27, 45.	0.7	0
6	Sufficient Optimality Conditions in Bilevel Programming. Mathematics of Operations Research, 2021, 46, 1573-1598.	0.8	3
7	On implicit variables in optimization theory. Journal of Nonsmooth Analysis and Optimization, 2021, Volume 2, .	0.2	4
8	Optimal control problems with control complementarity constraints: existence results, optimality conditions, and a penalty method. Optimization Methods and Software, 2020, 35, 142-170.	1.6	9
9	On an optimal control problem with gradient constraints. Optimization, 2020, 69, 519-551.	1.0	0
10	Stationarity conditions and constraint qualifications for mathematical programs with switching constraints. Mathematical Programming, 2020, 181, 149-186.	1.6	22
11	Semivectorial bilevel programming versus scalar bilevel programming. Optimization, 2020, 69, 657-679.	1.0	18
12	On the linear independence constraint qualification in disjunctive programming. Optimization, 2020, 69, 2241-2277.	1.0	17
13	New Constraint Qualifications for Optimization Problems in Banach Spaces Based on Asymptotic KKT Conditions. SIAM Journal on Optimization, 2020, 30, 2956-2982.	1.2	13
14	A comparison of solution approaches for the numerical treatment of or-constrained optimization problems. Computational Optimization and Applications, 2020, 76, 233-275.	0.9	6
15	Asymptotic stationarity and regularity for nonsmooth optimization problems. Journal of Nonsmooth Analysis and Optimization, 2020, Volume 1, .	0.2	12
16	Bilevel Optimal Control: Existence Results and Stationarity Conditions. Springer Optimization and Its Applications, 2020, , 451-484.	0.6	4
17	Relaxation schemes for mathematical programmes with switching constraints. Optimization Methods and Software, 2019, , 1-36.	1.6	16
18	Solving inverse optimal control problems via value functions to global optimality. Journal of Global Optimization, 2019, 74, 297-325.	1.1	15

#	Article	IF	Citations
19	A penalization scheme for the numerical solution of optimal control problems with control complementarity constraints. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900122.	0.2	0
20	Solving optimal control problems with terminal complementarity constraints via Scholtes' relaxation scheme. Computational Optimization and Applications, 2019, 72, 413-430.	0.9	1
21	Optimal control in first-order Sobolev spaces with inequality constraints. Computational Optimization and Applications, 2019, 72, 797-826.	0.9	6
22	On the Sequential Normal Compactness Condition and its Restrictiveness in Selected Function Spaces. Set-Valued and Variational Analysis, 2019, 27, 763-782.	0.5	9
23	The Weak Sequential Closure of Decomposable Sets in Lebesgue Spaces and its Application to Variational Geometry. Set-Valued and Variational Analysis, 2019, 27, 265-294.	0.5	8
24	Optimality conditions for mixed discrete bilevel optimization problems. Optimization, 2018, 67, 737-756.	1.0	5
25	The Limiting Normal Cone to Pointwise Defined Sets in Lebesgue Spaces. Set-Valued and Variational Analysis, 2018, 26, 449-467.	0.5	20
26	Optimality conditions for the simple convex bilevel programming problem in Banach spaces. Optimization, 2018, 67, 237-268.	1.0	11
27	Optimal Control Problems with Terminal Complementarity Constraints. SIAM Journal on Optimization, 2018, 28, 3079-3104.	1.2	4
28	Optimality Conditions for Special Semidefinite Bilevel Optimization Problems. SIAM Journal on Optimization, 2018, 28, 1564-1587.	1.2	4
29	Necessary optimality conditions for a special class of bilevel programming problems with unique lower level solution. Optimization, 2017, 66, 1533-1562.	1.0	8
30	Bilevel Optimal Control With Final-State-Dependent Finite-Dimensional Lower Level. SIAM Journal on Optimization, 2016, 26, 718-752.	1.2	20
31	Bilevel Optimal Control Problems with Pure State Constraints and Finite-dimensional Lower Level. SIAM Journal on Optimization, 2016, 26, 564-588.	1.2	16
32	Weak and strong stationarity in generalized bilevel programming and bilevel optimal control. Optimization, 2016, 65, 907-935.	1.0	23
33	Bilevel programming problems with simple convex lower level. Optimization, 2016, 65, 1203-1227.	1.0	5
34	The Natural Gas Cash-Out Problem: A Bilevel Optimal Control Approach. Mathematical Problems in Engineering, 2015, 2015, 1-17.	0.6	8
35	Lipschitz continuity of the optimal value function in parametric optimization. Journal of Global Optimization, 2015, 61, 363-377.	1.1	7
36	Calmness and Calculus: Two Basic Patterns. Set-Valued and Variational Analysis, 0, , 1.	0.5	3

#	ARTICLE	IF	CITATIONS
37	Asymptotic regularity for Lipschitzian nonlinear optimization problems with applications to complementarity constrained and bilevel programming*. Optimization, 0, , 1-44.	1.0	3