

# Gert Wanka

## List of Publications by Year in descending order

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51  
papers

1,027  
citations

516561

16  
h-index

454834

30  
g-index

53  
all docs

53  
docs citations

53  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Duality in Vector Optimization. <i>Vector Optimization</i> , 2009, , .	0.7	160
2	A weaker regularity condition for subdifferential calculus and Fenchel duality in infinite dimensional spaces. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2006, 64, 2787-2804.	0.6	75
3	On strong and total Lagrange duality for convex optimization problems. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 337, 1315-1325.	0.5	71
4	An alternative formulation for a new closed cone constraint qualification. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2006, 64, 1367-1381.	0.6	57
5	New regularity conditions for strong and total Fenchel-Lagrange duality in infinite dimensional spaces. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2008, 69, 323-336.	0.6	54
6	Farkas-Type Results With Conjugate Functions. <i>SIAM Journal on Optimization</i> , 2005, 15, 540-554.	1.2	43
7	A new constraint qualification for the formula of the subdifferential of composed convex functions in infinite dimensional spaces. <i>Mathematische Nachrichten</i> , 2008, 281, 1088-1107.	0.4	41
8	Generalized Moreau-Rockafellar results for composed convex functions. <i>Optimization</i> , 2009, 58, 917-933.	1.0	40
9	New Constraint Qualification and Conjugate Duality for Composed Convex Optimization Problems. <i>Journal of Optimization Theory and Applications</i> , 2007, 135, 241-255.	0.8	34
10	On the Relations Between Different Dual Problems in Convex Mathematical Programming. , 2002, , 255-262.		31
11	An analysis of some dual problems in multiobjective optimization (I). <i>Optimization</i> , 2004, 53, 281-300.	1.0	26
12	Maximal Monotonicity for the Precomposition with a Linear Operator. <i>SIAM Journal on Optimization</i> , 2007, 17, 1239-1252.	1.2	26
13	Some new Farkas-type results for inequality systems with DC functions. <i>Journal of Global Optimization</i> , 2007, 39, 595-608.	1.1	26
14	Farkas-type results for inequality systems with composed convex functions via conjugate duality. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 322, 316-328.	0.5	22
15	An analysis of some dual problems in multiobjective optimization (II). <i>Optimization</i> , 2004, 53, 301-324.	1.0	20
16	Duality for multiobjective optimization problems with convex objective functions and D.C. constraints. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 315, 526-543.	0.5	20
17	Duality for location problems with unbounded unit balls. <i>European Journal of Operational Research</i> , 2007, 179, 1252-1265.	3.5	18
18	A general approach for studying duality in multiobjective optimization. <i>Mathematical Methods of Operations Research</i> , 2007, 65, 417-444.	0.4	17

#	ARTICLE	IF	CITATIONS
19	Duality for almost convex optimization problems via the perturbation approach. <i>Journal of Global Optimization</i> , 2008, 42, 385-399.	1.1	17
20	Weaker Constraint Qualifications in Maximal Monotonicity. <i>Numerical Functional Analysis and Optimization</i> , 2007, 28, 27-41.	0.6	16
21	Conjugate duality in vector optimization and some applications to the vector variational inequality. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 329, 1010-1035.	0.5	16
22	Multiobjective Duality for Convex Semidefinite Programming Problems. <i>Zeitschrift Fur Analysis Und Ihre Anwendung</i> , 2003, 22, 711-728.	0.8	15
23	Farkas-type results for fractional programming problems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2007, 67, 1690-1703.	0.6	15
24	ON THE CONSTRUCTION OF GAP FUNCTIONS FOR VARIATIONAL INEQUALITIES VIA CONJUGATE DUALITY. <i>Asia-Pacific Journal of Operational Research</i> , 2007, 24, 353-371.	0.9	14
25	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \tilde{E} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Optimality conditions for composed convex optimization problems. <i>Journal of Approximation Theory</i> , 2008, 153, 108-121.	0.5	14
26	Classical linear vector optimization duality revisited. <i>Optimization Letters</i> , 2012, 6, 199-210.	0.9	14
27	A new condition for maximal monotonicity via representative functions. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2007, 67, 2390-2402.	0.6	11
28	Multiobjective duality for convex-linear problems II. <i>Mathematical Methods of Operations Research</i> , 2001, 53, 419-433.	0.4	10
29	The conjugate of the pointwise maximum of two convex functions revisited. <i>Journal of Global Optimization</i> , 2008, 41, 625-632.	1.1	9
30	Conjugate duality for multiobjective composed optimization problems. <i>Acta Mathematica Hungarica</i> , 2007, 116, 177-196.	0.3	7
31	A new Fenchel dual problem in vector optimization. <i>Proceedings of the Indian Academy of Sciences: Mathematical Sciences</i> , 2009, 119, 251-265.	0.2	7
32	Duality results for nonlinear single minimax location problems via multi-composed optimization. <i>Mathematical Methods of Operations Research</i> , 2017, 86, 401-439.	0.4	7
33	Multiobjective duality for convex ratios. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 275, 354-368.	0.5	6
34	Dual Representations for Convex Risk Measures via Conjugate Duality. <i>Journal of Optimization Theory and Applications</i> , 2010, 144, 185-203.	0.8	6
35	A Lagrange duality approach for multi-composed optimization problems. <i>Top</i> , 2017, 25, 288-313.	1.1	6
36	The Proximal Alternating Minimization Algorithm for Two-Block Separable Convex Optimization Problems with Linear Constraints. <i>Journal of Optimization Theory and Applications</i> , 2019, 182, 110-132.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Duality for portfolio optimization with short sales. <i>Mathematical Methods of Operations Research</i> , 2001, 53, 247-263.	0.4	5
38	On the relations between different duals assigned to composed optimization problems. <i>Mathematical Methods of Operations Research</i> , 2007, 66, 47-68.	0.4	5
39	Optimality conditions for weak efficiency to vector optimization problems with composed convex functions. <i>Central European Journal of Mathematics</i> , 2008, 6, 453-468.	0.7	5
40	Employing different loss functions for the classification of images via supervised learning. <i>Open Mathematics</i> , 2014, 12, .	0.5	5
41	Farkas-type Results for Max-functions and Applications. <i>Positivity</i> , 2006, 10, 761-777.	0.3	4
42	A Dynamical Approach to Two-Block Separable Convex Optimization Problems with Linear Constraints. <i>Numerical Functional Analysis and Optimization</i> , 2021, 42, 1-38.	0.6	4
43	OPTIMALITY CONDITIONS FOR PORTFOLIO OPTIMIZATION PROBLEMS WITH CONVEX DEVIATION MEASURES AS OBJECTIVE FUNCTIONS. <i>Taiwanese Journal of Mathematics</i> , 2009, 13, .	0.2	3
44	Duality results for extended multifacility location problems. <i>Optimization</i> , 2018, 67, 1095-1119.	1.0	3
45	Duality for optimization problems with entropy-like objective functions. <i>Journal of Information and Optimization Sciences</i> , 2005, 26, 415-441.	0.2	2
46	On biconjugates of infimal functions. <i>Optimization</i> , 2015, 64, 1759-1775.	1.0	2
47	Almost Convex Functions: Conjugacy and Duality. , 2007, , 101-114.		2
48	Maximum entropy optimization for text classification problems. , 2003, , 247-260.		1
49	Duality for the Multiobjective Location Model Involving Sets as Existing Facilities. <i>Series on Computers and Operations Research</i> , 2003, , 307-333.	0.2	1
50	Comparison between different duals in multiobjective fractional programming. <i>Central European Journal of Mathematics</i> , 2007, 5, 452-469.	0.7	0
51	Gap Functions for Vector Equilibrium Problems via Conjugate Duality. <i>Springer Optimization and Its Applications</i> , 2010, , 185-197.	0.6	0