Aviv Gibali

List of Publications by Year
in descending order

68	2,565	331259 21	205818 48
papers	citations	h-index	g-index

71	71	71	413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Subgradient Extragradient Method for Solving Variational Inequalities in Hilbert Space. Journal of Optimization Theory and Applications, 2011, 148, 318-335.	0.8	566
2	Algorithms for the Split Variational Inequality Problem. Numerical Algorithms, 2012, 59, 301-323.	1.1	427
3	Strong convergence of subgradient extragradient methods for the variational inequality problem in Hilbert space. Optimization Methods and Software, 2011, 26, 827-845.	1.6	257
4	Extensions of Korpelevich's extragradient method for the variational inequality problem in Euclidean space. Optimization, 2012, 61, 1119-1132.	1.0	255
5	Outer approximation methods for solving variational inequalities in Hilbert space. Optimization, 2017, 66, 417-437.	1.0	80
6	Common Solutions to Variational Inequalities. Set-Valued and Variational Analysis, 2012, 20, 229-247.	0.5	72
7	A modified subgradient extragradient method for solving the variational inequality problem. Numerical Algorithms, 2018, 79, 927-940.	1.1	52
8	Tseng type methods for solving inclusion problems and its applications. Calcolo, 2018, 55, 1.	0.6	52
9	New inertial relaxed method for solving split feasibilities. Optimization Letters, 2021, 15, 2109-2126.	0.9	51
10	Note on the modified relaxation CQ algorithm for the split feasibility problem. Optimization Letters, 2018, 12, 817-830.	0.9	48
11	A New Double-Projection Method for Solving Variational Inequalities in Banach Spaces. Journal of Optimization Theory and Applications, 2018, 178, 219-239.	0.8	43
12	A new relaxed CQ algorithm for solving split feasibility problems in Hilbert spaces and its applications. Journal of Industrial and Management Optimization, 2019, 15, 963-984.	0.8	43
13	An efficient iterative method for finding common fixed point and variational inequalities in Hilbert spaces. Optimization, 2019, 68, 13-32.	1.0	34
14	A new inertial double-projection method for solving variational inequalities. Journal of Fixed Point Theory and Applications, 2019, 21, 1.	0.6	34
15	New self-adaptive step size algorithms for solving split variational inclusion problems and its applications. Numerical Algorithms, 2020, 83, 305-331.	1.1	33
16	Fast and Simple Bregman Projection Methods for Solving Variational Inequalities and Related Problems in Banach Spaces. Results in Mathematics, 2020, 75, 1.	0.4	31
17	Iterative methods for solving variational inequalities in Euclidean space. Journal of Fixed Point Theory and Applications, 2015, 17, 775-811.	0.6	30
18	Inertial Projection-Type Methods for Solving Quasi-Variational Inequalities in Real Hilbert Spaces. Journal of Optimization Theory and Applications, 2020, 184, 877-894.	0.8	29

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19	A von Neumann alternating method for finding common solutions to variational inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4596-4603.	0.6	27
20	Extragradient methods for solving non-Lipschitzian pseudo-monotone variational inequalities. Journal of Fixed Point Theory and Applications, 2019, 21, 1.	0.6	26
21	l 1-l 2 regularization of split feasibility problems. Numerical Algorithms, 2018, 78, 739-757.	1.1	23
22	Two simple projection-type methods for solving variational inequalities. Analysis and Mathematical Physics, 2019, 9, 2203-2225.	0.6	23
23	A new low-cost double projection method for solving variational inequalities. Optimization and Engineering, 2020, 21, 1613-1634.	1.3	23
24	An Algorithm for Solving the Variational Inequality Problem Over the Fixed Point Set of a Quasi-Nonexpansive Operator in Euclidean Space. Numerical Functional Analysis and Optimization, 2013, 34, 1067-1096.	0.6	21
25	A new approximation scheme for solving various split inverse problems. Afrika Matematika, 2021, 32, 369-401.	0.4	20
26	Convergence of projection and contraction algorithms with outer perturbations and their applications to sparse signals recovery. Journal of Fixed Point Theory and Applications, 2018, 20, 1.	0.6	18
27	Two simple relaxed perturbed extragradient methods for solving variational inequalities in Euclidean spaces. Journal of Nonlinear and Variational Analysis, 2018, 2, 49-61.	1.0	15
28	Strong convergence of inertial algorithms for solving equilibrium problems. Optimization Letters, 2020, 14, 1817-1843.	0.9	14
29	A generalized projection-based scheme for solving convex constrained optimization problems. Computational Optimization and Applications, 2018, 70, 737-762.	0.9	13
30	Two strong convergence subgradient extragradient methods for solving variational inequalities in Hilbert spaces. Japan Journal of Industrial and Applied Mathematics, 2019, 36, 299-321.	0.5	13
31	Totally relaxed, self-adaptive algorithm for solving variational inequalities over the intersection of sub-level sets. Optimization, 2018, 67, 1487-1504.	1.0	12
32	Convergence analysis of a general inertial projection-type method for solving pseudomonotone equilibrium problems with applications. Journal of Inequalities and Applications, 2021, 2021, .	0.5	12
33	Projections Onto Super-Half-Spaces for Monotone Variational Inequality Problems in Finite-Dimensional Space. Journal of Nonlinear and Convex Analysis, 2008, 9, 461-475.	0.0	12
34	Two new extragradient methods for solving equilibrium problems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	0.6	11
35	Dynamic stringâ€averaging CQâ€methods for the split feasibility problem with percentage violation constraints arising in radiation therapy treatment planning. International Transactions in Operational Research, 2023, 30, 181-205.	1.8	11
36	Bounded perturbation resilience of extragradient-type methods and their applications. Journal of Inequalities and Applications, 2017, 2017, 280.	0.5	8

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37	The Implicit Convex Feasibility Problem and Its Application to Adaptive Image Denoising. Journal of Computational Mathematics, 2016, 34, 610-625.	0.2	8
38	The cyclic Douglasâ€“Rachford algorithm with r-sets-Douglasâ€“Rachford operators. Optimization Methods and Software, 2019, 34, 875-889.	1.6	7
39	Outer Approximation Methods for Solving Variational Inequalities Defined over the Solution Set of a Split Convex Feasibility Problem. Numerical Functional Analysis and Optimization, 2020, 41, 1089-1108.	0.6	7
40	An explicit algorithm for solving monotone variational inequalities. Applied Numerical Mathematics, 2022, 171, 408-425.	1.2	7
41	Feasibility-based fixed point networks. Fixed Point Theory and Algorithms for Sciences and Engineering, 2021, 2021, .	0.2	7
42	A self-adaptive extragradientâ€“CQ method for a class of bilevel split equilibrium problem with application to Nash Cournot oligopolistic electricity market models. Computational and Applied Mathematics, 2020, 39, 1.	1.0	6
43	Inertial Krasnoselskiiâ€“Mann Method in Banach Spaces. Mathematics, 2020, 8, 638.	1.1	6
44	Three new iterative methods for solving inclusion problems and related problems. Computational and Applied Mathematics, 2020, 39, 1.	1.0	6
45	Projected-Reflected Subgradient-Extragradient Method and Its Real-World Applications. Symmetry, 2021, 13, 489.	1.1	6
46	Singular Value Homogenization: a simple preconditioning technique for linearly constrained optimization and its potential applications in medical therapy. Journal of Mathematics in Industry, 2016, 6, .	0.7	5
47	Gradient projection-type algorithms for solving equilibrium problems and its applications. Computational and Applied Mathematics, 2019, 38, 1.	1.0	5
48	A parallel Tsengâ€™s splitting method for solving common variational inclusion applied to signal recovery problems. Advances in Difference Equations, 2021, 2021, .	3.5	5
49	Convergence analysis and applications of the inertial algorithm solving inclusion problems. Applied Numerical Mathematics, 2022, 175, 1-17.	1.2	5
50	Speedup of lexicographic optimization by superiorization and its applications to cancer radiotherapy treatment. Inverse Problems, 2017, 33, 044012.	1.0	4
51	Several inertial methods for solving split convex feasibilities and related problems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	0.6	4
52	Computing Dynamic User Equilibrium on Large-Scale Networks Without Knowing Global Parameters. Networks and Spatial Economics, 2021, 21, 735-768.	0.7	4
53	Non-Convex Split Feasibility Problems: Models, Algorithms and Theory. Open Journal of Mathematical Optimization, 0, 1, 1-15.	0.0	4
54	On fixed point theorems for a class of $$alpha$$-$${hat{v}}$$-Meirâ€“Keeler-type contraction mapping in modular extended b-metric spaces. Journal of Analysis, 2022, 30, 1257-1282.	0.3	4

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55	New Self-Adaptive Inertial-like Proximal Point Methods for the Split Common Null Point Problem. Symmetry, 2021, 13, 2316.	1.1	4
56	Self-adaptive iterative method for solving boundedly Lipschitz continuous and strongly monotone variational inequalities. Journal of Inequalities and Applications, 2018, 2018, 350.	0.5	3
57	A Symmetric FBF Method for Solving Monotone Inclusions. Symmetry, 2020, 12, 1456.	1.1	3
58	An Analytic and Numerical Investigation of a Differential Game. Axioms, 2021, 10, 66.	0.9	3
59	Simple inertial methods for solving split variational inclusions in Banach spaces. Mathematical Methods in the Applied Sciences, 2021, 44, 12707-12726.	1.2	3
60	Accelerating Two Projection Methods via Perturbations with Application to Intensity-Modulated Radiation Therapy. Applied Mathematics and Optimization, 2021, 83, 881-914.	0.8	2
61	DC-Programming versus â„“0-Superiorization for Discrete Tomography. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2018, 26, 105-133.	0.1	2
62	Superiorized polyenergetic reconstruction algorithm for reduction of metal artifacts in CT images. , 2017, , .		1
63	Physically feasible decomposition of EnginoÂ® toy models: A graph-theoretic approach. European Journal of Applied Mathematics, 2019, 30, 278-297.	1.4	1
64	Error bounds and gap functions for various variational type problems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	0.6	1
65	Cooperation in traffic network problems via evolutionary split variational inequalities. Journal of Industrial and Management Optimization, 2022, 18, 593.	0.8	1
66	On the Convergence Rate of the Continuous Newton Method. Journal of Mathematical Sciences, 2019, 239, 867-879.	0.1	0
67	Multi-Time Generalized Nash Equilibria with Dynamic Flow Applications. Mathematics, 2021, 9, 1658.	1.1	0
68	Linear approximation method for solving split inverse problems and its applications. Advances in Computational Mathematics, 2022, 48, .	0.8	0