Gaik Ambartsoumian

List of Publications by Year
in descending order

17 papers	662 citations	1051969 10 h-index	1051228 16 g-index
17 all docs	17 docs citations	17 times ranked	517 citing authors

#	Article	IF	Citations
1	Inversion and Symmetries of the Star Transform. Journal of Geometric Analysis, 2021, 31, 11270-11291.	0.5	2
2	Generalized Radon transforms and applications in tomography. Inverse Problems, 2020, 36, 020301.	1.0	4
3	Generalized V-line transforms in 2D vector tomography. Inverse Problems, 2020, 36, 104002.	1.0	4
4	7. V-line and conical Radon transforms with applications in imaging. , 2019, , 143-168.		6
5	The V-line transform with some generalizations and cone differentiation. Inverse Problems, 2019, 35, 034003.	1.0	10
6	Image reconstruction from radially incomplete spherical Radon data. European Journal of Applied Mathematics, 2018, 29, 470-493.	1.4	11
7	Numerical Inversion of a Broken Ray Transform Arising in Single Scattering Optical Tomography. IEEE Transactions on Computational Imaging, 2016, 2, 166-173.	2.6	19
8	Exact inversion of the conical Radon transform with a fixed opening angle. Inverse Problems, 2014, 30, 045007.	1.0	45
9	Exterior/interior problem for the circular means transform with applications to intravascular imaging. Inverse Problems and Imaging, 2014, 8, 339-359.	0.6	5
10	Invasion Speed in Cellular Automaton Models for T. cruzi Vector Migration. Bulletin of Mathematical Biology, 2013, 75, 1051-1081.	0.9	8
11	A series formula for inversion of the V-line Radon transform in a disc. Computers and Mathematics With Applications, 2013, 66, 1567-1572.	1.4	26
12	A class of singular Fourier integral operators in Synthetic Aperture Radar imaging. Journal of Functional Analysis, 2013, 264, 246-269.	0.7	26
13	Inversion of the V-line Radon transform in a disc and its applications in imaging. Computers and Mathematics With Applications, 2012, 64, 260-265.	1.4	43
14	Inversion of the circular Radon transform on an annulus. Inverse Problems, 2010, 26, 105015.	1.0	33
15	A Range Description for the Planar Circular Radon Transform. SIAM Journal on Mathematical Analysis, 2006, 38, 681-692.	0.9	52
16	On the injectivity of the circular Radon transform. Inverse Problems, 2005, 21, 473-485.	1.0	49
17	Reconstructions in limited-view thermoacoustic tomography. Medical Physics, 2004, 31, 724-733.	1.6	319