

# Stanisław Walczak

## List of Publications by Year in descending order

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26  
papers

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citations

1478505

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h-index

1125743

13  
g-index

26  
all docs

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docs citations

26  
times ranked

95  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of 2D systems to investigation of a process of gas filtration. <i>Multidimensional Systems and Signal Processing</i> , 2012, 23, 119-130.	2.6	45
2	Fractional Sobolev Spaces via Riemann-Liouville Derivatives. <i>Journal of Function Spaces and Applications</i> , 2013, 2013, 1-15.	0.5	25
3	On the Diffeomorphisms Between Banach and Hilbert Spaces. <i>Advanced Nonlinear Studies</i> , 2012, 12, 89-100.	1.7	24
4	On the existence of a solution for some distributed optimal control hyperbolic system. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2000, 23, 297-311.	0.7	13
5	On a linear-quadratic problem with Caputo derivative. <i>Opuscula Mathematica</i> , 2016, 36, 49.	0.8	11
6	A fractional imbedding theorem. <i>Fractional Calculus and Applied Analysis</i> , 2012, 15, .	2.2	8
7	On the Lusternik theorem for nonsmooth operators. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1994, 22, 121-128.	1.1	6
8	Compactness of fractional imbeddings. , 2012, , .		5
9	On some properties of Goursatâ€™Darboux systems with distributed and boundary controls. <i>International Journal of Control</i> , 2004, 77, 837-846.	1.9	4
10	Sensitivity of a Fractional Integro-differential Cauchy Problem of Volterra Type. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-8.	0.7	4
11	Application of a global implicit function theorem to a general fractional integro-differential system of Volterra type. <i>Journal of Integral Equations and Applications</i> , 2015, 27, .	0.6	4
12	Linear-quadratic optimal control problem of second order with infinite time horizon. , 2007, , .		3
13	An Extremum Principle for Smooth Problems. <i>Games</i> , 2020, 11, 56.	0.6	3
14	Existence of optimal control for an integroâ€™differential Bolza problem. <i>Optimal Control Applications and Methods</i> , 2020, 41, 1604-1615.	2.1	3
15	Systems described by Volterra type integral operators. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 2401-2416.	0.9	3
16	Necessary optimality conditions for an integro-differential Bolza problem via Dubovitskii-Milyutin method. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2019, 24, 2281-2292.	0.9	3
17	Controllability of one-dimensional and two-dimensional systems. , 2007, , .		2
18	On Controllability of Nonlinear Systems Described by Ordinary Differential Equations. , 0, , 287-294.		2

#	ARTICLE	IF	CITATIONS
19	Optimization of a fractional Mayer problem - existence of solutions, maximum principle, gradient methods. <i>Opuscula Mathematica</i> , 2014, 34, 763.	0.8	2
20	Lagrange problem for fractional ordinary elliptic system via Dubovitskii–Milyutin method. <i>Nonlinear Analysis: Modelling and Control</i> , 2020, 25, .	1.6	1
21	Hamiltonian systems with controls. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1997, 30, 2429-2438.	1.1	0
22	On some nonlinear second order control systems. , 2009, , .		0
23	An Asymptotical Stability in Variational Sense for Second Order Systems. <i>Advanced Nonlinear Studies</i> , 2010, 10, 161-174.	1.7	0
24	On diffeomorphisms defined by some 2D nonlinear operators and their application to stability and sensitivity analysis. , 2015, , .		0
25	Existence of optimal solutions to Lagrange problems for Roesser type systems of the first and fractional orders. <i>Applied Mathematics and Computation</i> , 2015, 266, 809-819.	2.2	0
26	On 2D integro-differential systems. Stability and sensitivity analysis. <i>Multidimensional Systems and Signal Processing</i> , 2017, 28, 1679-1695.	2.6	0