

Jacek Gulgowski

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

168
citations

1162889

8
h-index

1199470

12
g-index

32
all docs

32
docs citations

32
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Methods for Causality Evaluation of Photonic Materials. <i>Materials</i> , 2022, 15, 1536.	1.3	2
2	Generalization of Kramers-Krönig relations for evaluation of causality in power-law media. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105664.	1.7	7
3	Signal Propagation in Electromagnetic Media Modelled by the Two-Sided Fractional Derivative. <i>Fractal and Fractional</i> , 2021, 5, 10.	1.6	9
4	Formulation of Time-Fractional Electrodynamics Based on Riemann-Silberstein Vector. <i>Entropy</i> , 2021, 23, 987.	1.1	5
5	Signal propagation in electromagnetic media described by fractional-order models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 82, 105029.	1.7	31
6	On the characterization of compactness in the space of functions of bounded variation in the sense of Jordan. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 484, 123752.	0.5	3
7	On Applications of Elements Modelled by Fractional Derivatives in Circuit Theory. <i>Energies</i> , 2020, 13, 5768.	1.6	13
8	Fundamental properties of solutions to fractional-order Maxwell's equations. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 1955-1976.	1.0	11
9	Simulation of Wave Propagation in Media Described by Fractional-Order Models. , 2020, , .		1
10	On Applications of Fractional Derivatives in Electromagnetic Theory. , 2020, , .		2
11	Electromagnetic-based derivation of fractional-order circuit theory. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104897.	1.7	24
12	Recurrence scheme for FDTD-compatible discrete Green's function derived based on properties of Gauss hypergeometric function. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 637-653.	1.0	2
13	Fractional Order Circuit Elements Derived from Electromagnetism. , 2019, , .		0
14	On integral bounded variation. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2019, 113, 399-422.	0.6	2
15	Central Limit Theorem for some non-stationary Markov chains. <i>Studia Mathematica</i> , 2019, 246, 109-131.	0.4	6
16	Uniform continuity of nonautonomous superposition operators in $\hat{\mathcal{L}}\mathcal{B}V$ -spaces. <i>Forum Mathematicum</i> , 2019, 31, 713-726.	0.3	0
17	On some nonlinear operators in $\mathcal{L}(\mathcal{L}^{\infty}, \mathcal{L}^1)$ $\hat{\mathcal{L}}\mathcal{B}V$ -spaces. <i>Journal of Fixed Point Theory and Applications</i> , 2017, 19, 2785-2818.	0.6	6
18	On continuity and compactness of some nonlinear operators in the spaces of functions of bounded variation. <i>Annali Di Matematica Pura Ed Applicata</i> , 2016, 195, 1513-1530.	0.5	10

#	ARTICLE	IF	CITATIONS
19	On integral operators and nonlinear integral equations in the spaces of functions of bounded variation. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 444, 230-250.	0.5	8
20	Topological attitude towards path following, applied to localization of complex dispersion characteristics for a lossy microwave, ferrite-coupled transmission line. <i>IMA Journal of Applied Mathematics</i> , 2015, 80, 494-507.	0.8	5
21	Numerical detection of bifurcation point in the curve. <i>Mathematica Applicanda</i> , 2015, 43, .	0.2	0
22	Approximation of solutions to second order nonlinear Picard problems with Carathéodory right-hand side. <i>Open Mathematics</i> , 2014, 12, .	0.5	0
23	Influence of number of frequency points on rational function's zeroes and poles reliability in microwave filter tuning. , 2012, , .		0
24	THE ANALYTIC EXTRACTION OF THE COMPLEX-VALUED COUPLING MATRIX AND ITS APPLICATION IN THE MICROWAVE FILTER MODELING. <i>Progress in Electromagnetics Research</i> , 2012, 130, 131-151.	1.6	11
25	Bernstein approximations of nonlinear Sturm-Liouville problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010, 72, 2982-2989.	0.6	0
26	Multiple global bifurcation branches for nonlinear Picard problems. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2009, , 1-15.	0.2	0
27	Global bifurcation and multiplicity results for Sturm-Liouville problems. <i>Nonlinear Differential Equations and Applications</i> , 2007, 14, 559-568.	0.4	3
28	Global bifurcation theorem for a class of boundary conditions for ordinary differential equations of second order. <i>Mathematische Nachrichten</i> , 2005, 278, 401-408.	0.4	0
29	Applications of global bifurcation to existence theorems for Sturm-Liouville problems. <i>Annales Polonici Mathematici</i> , 2004, 83, 221-229.	0.2	0
30	A global bifurcation theorem with applications to nonlinear Picard problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2000, 41, 787-801.	0.6	4