

# R Michael Porter

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Complete Systems of Beltrami Fields Using Complex Quaternions and Transmutation Theory. <i>Advances in Applied Clifford Algebras</i> , 2021, 31, 1.	1.0	3
2	Relations among spheroidal and spherical harmonics. <i>Applied Mathematics and Computation</i> , 2020, 384, 125147.	2.2	1
3	Hilbert transform for the three-dimensional Vekua equation. <i>Complex Variables and Elliptic Equations</i> , 2019, 64, 1797-1824.	0.8	7
4	Spectral parameter power series for arbitrary order linear differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4902-4908.	2.3	4
5	Hardy Spaces for the Three-Dimensional Vekua Equation. <i>Trends in Mathematics</i> , 2019, , 125-140.	0.1	0
6	Contragenic functions on spheroidal domains. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2575-2589.	2.3	3
7	General Solution of the Inhomogeneous Div-Curl System and Consequences. <i>Advances in Applied Clifford Algebras</i> , 2017, 27, 3015-3037.	1.0	15
8	Gears, pregears and related domains. <i>Complex Variables and Elliptic Equations</i> , 2016, 61, 89-103.	0.8	2
9	Numerical Solution of the Beltrami Equation Via a Purely Linear System. <i>Constructive Approximation</i> , 2016, 43, 371-407.	3.0	1
10	Numerical Conformal Mapping to One-Tooth Gear-Shaped Domains and Applications. <i>Computational Methods and Function Theory</i> , 2016, 16, 319-345.	1.5	3
11	On Sturm-Liouville equations with several spectral parameters. <i>Boletin De La Sociedad Matematica Mexicana</i> , 2016, 22, 141-163.	0.7	2
12	A numerical algorithm for solving the Beltrami equation. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
13	Contragenic Functions of Three Variables. <i>Complex Analysis and Operator Theory</i> , 2014, 8, 409-427.	0.6	13
14	Appell Bases for Monogenic Functions of Three Variables. <i>Advances in Applied Clifford Algebras</i> , 2013, 23, 547-560.	1.0	6
15	Conformal Mapping of Circular Quadrilaterals and Weierstrass Elliptic Functions. <i>Computational Methods and Function Theory</i> , 2012, 11, 463-486.	1.5	11
16	Conformal mapping of right circular quadrilaterals. <i>Complex Variables and Elliptic Equations</i> , 2011, 56, 399-415.	0.8	6
17	Spectral parameter power series for Sturm-Liouville problems. <i>Mathematical Methods in the Applied Sciences</i> , 2010, 33, 459-468.	2.3	96
18	Measurement of local specific interfacial area in bubble columns via a non-isokinetic withdrawal method coupled to electro-optical detector. <i>Chemical Engineering Science</i> , 2008, 63, 1029-1038.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Numerical Calculation of Conformal Mapping to a Disk Minus Finitely Many Horocycles. Computational Methods and Function Theory, 2006, 5, 471-488.	1.5	3
20	Measurement of local gas holdup in bubble columns via a non-isokinetic withdrawal method. Chemical Engineering Science, 2005, 60, 6929-6938.	3.8	9
21	An Interpolating Polynomial Method for Numerical Conformal Mapping. SIAM Journal of Scientific Computing, 2001, 23, 1027-1041.	2.8	7
22	On the Analogue of the $\bar{\partial}$ -Problem in Quaternionic Analysis. , 1993, , 167-173.		6
23	Biregular Quaternionic Functions. , 1993, , 129-135.		1