

Shen-Zhou Zheng

List of Publications by Year in descending order

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g-index

88

all docs

88

docs citations

88

times ranked

171

citing authors

#	ARTICLE	IF	CITATIONS
1	The monotonicity and convexity for the ratios of modified Bessel functions of the second kind and applications. <i>Proceedings of the American Mathematical Society</i> , 2017, 145, 2943-2958.	0.4	19
2	Traveling wave solutions to a reaction-diffusion equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2009, 60, 756-773.	0.7	14
3	Uncertainty Principles for the Two-Sided Quaternion Linear Canonical Transform. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 4436-4458.	1.2	13
4	Sharp Bounds for the Ratio of Modified Bessel Functions. <i>Mediterranean Journal of Mathematics</i> , 2017, 14, 1.	0.4	12
5	Fuzzy entropy complexity and multifractal behavior of statistical physics financial dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 486-498.	1.2	12
6	Nonlinear gradient estimates for double phase elliptic problems with irregular double obstacles. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 3839-3854.	0.4	12
7	Uncertainty principles for the two-sided offset quaternion linear canonical transform. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 14236-14255.	1.2	12
8	Regularity for a class of degenerate elliptic equations with discontinuous coefficients under natural growth. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 346, 359-373.	0.5	11
9	Regularity for quasi-linear elliptic systems with discontinuous coefficients. <i>Dynamics of Partial Differential Equations</i> , 2008, 5, 87-99.	1.0	11
10	Green functions for a class of nonlinear degenerate operators with X-ellipticity. <i>Transactions of the American Mathematical Society</i> , 2012, 364, 3627-3655.	0.5	10
11	Regularity of subelliptic p-harmonic systems with subcritical growth in Carnot group. <i>Journal of Differential Equations</i> , 2015, 258, 2471-2494.	1.1	10
12	Lorentz estimates for fully nonlinear parabolic and elliptic equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 148, 106-125.	0.6	10
13	Energy identity of approximate biharmonic maps to Riemannian manifolds and its application. <i>Journal of Functional Analysis</i> , 2012, 263, 960-987.	0.7	9
14	Complex and Entropy of Fluctuations of Agent-Based Interacting Financial Dynamics with Random Jump. <i>Entropy</i> , 2017, 19, 512.	1.1	9
15	Complete monotonicity involving some ratios of gamma functions. <i>Journal of Inequalities and Applications</i> , 2017, 2017, 255.	0.5	9
16	On $W^{1,\gamma}(\cdot)$ $W^{1,\beta}(\cdot)$ -regularity for nonlinear non-un. <i>Manuscripta Mathematica</i> , 2019, 159, 247-268.	0.3	9
17	Lorentz estimates for the gradient of weak solutions to elliptic obstacle problems with partially BMO coefficients. <i>Boundary Value Problems</i> , 2017, 2017, .	0.3	8
18	Calderón-Zygmund estimate for asymptotically regular non-uniformly elliptic equations. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 484, 123749.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Weighted lorentz estimates for nondivergence linear elliptic equations with partially BMO coefficients. Communications on Pure and Applied Analysis, 2017, 16, 899-914.	0.4	8
20	Regularity Results for the Generalized Beltrami System. Acta Mathematica Sinica, English Series, 2004, 20, 293-304.	0.2	7
21	Monotonicity of a mean related to polygamma functions with an application. Journal of Inequalities and Applications, 2016, 2016.	0.5	7
22	Global regularity in Lorentz spaces for nonlinear elliptic equations with \log -growth. Besov regularity for the gradients of solutions to non-uniformly elliptic obstacle problems. Journal of Mathematical Analysis and Applications, 2021, 504, 125402.	0.5	7
23	BMO estimate to A-harmonic systems with discontinuous coefficients. Nonlinear Analysis: Real World Applications, 2015, 26, 64-74.	0.9	6
24	Sharp inequalities for tangent function with applications. Journal of Inequalities and Applications, 2017, 2017, 94.	0.5	6
25	Weighted Lorentz estimate for asymptotically regular parabolic equations of \log -growth type. Nonlinear Analysis: Theory, Methods & Applications, 2019, 180, 225-235.	0.6	6
26	On uncertainty principle for the two-sided quaternion linear canonical transform. Journal of Pseudo-Differential Operators and Applications, 2021, 12, 1.	0.3	6
27	Travelling wave solutions of the Burgers-Huxley equation. IMA Journal of Applied Mathematics, 2012, 77, 316-325.	0.8	5
28	Lorentz estimate for nonlinear parabolic obstacle problems with asymptotically regular nonlinearities. Nonlinear Analysis: Theory, Methods & Applications, 2016, 134, 189-203.	0.6	5
29	Global weighted Lorentz estimates to nonlinear parabolic equations over nonsmooth domains. Journal of Mathematical Analysis and Applications, 2017, 456, 1238-1260.	0.5	5
30	New Sharp Approximations Involving Incomplete Gamma Functions. Results in Mathematics, 2017, 72, 1007-1020.	0.4	5
31	Modeling and complexity of stochastic interacting Lévy type financial price dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 498-511.	1.2	5
32	Lorentz estimates for asymptotically regular fully nonlinear parabolic equations. Mathematische Nachrichten, 2018, 291, 996-1008.	0.4	5
33	Weighted Lorentz and Lorentz-Morrey estimates to viscosity solutions of fully nonlinear elliptic equations. Complex Variables and Elliptic Equations, 2018, 63, 1271-1289.	0.4	5
34	Monotonicity of the ratio of modified Bessel functions of the first kind with applications. Journal of Inequalities and Applications, 2018, 2018, 57.	0.5	5
35	Energy identity for a class of approximate biharmonic maps into sphere in dimension four. Discrete and Continuous Dynamical Systems, 2013, 33, 861-878.	0.5	5
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#	ARTICLE	IF	CITATIONS
37	Gradient estimate of a variable power for nonlinear elliptic equations with Orlicz growth. <i>Advances in Nonlinear Analysis</i> , 2020, 10, 172-193.	1.3	5
38	Traveling Waves Connecting Equilibrium and Periodic Orbit for a Delayed Population Model on a Two-Dimensional Spatial Lattice. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650049.	0.7	4
39	Uniformly nondegenerate elliptic equations with partially BMO coefficients in nonsmooth domains. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 156, 90-110.	0.6	4
40	Lorentz estimate with a variable power for parabolic obstacle problems with non-standard growths. <i>Journal of Differential Equations</i> , 2019, 266, 352-405.	1.1	4
41	Nonlinear fluctuation behaviors of complex voter financial price dynamics on small-world network. <i>Nonlinear Dynamics</i> , 2021, 103, 2525-2545.	2.7	4
42	Complete monotonicity and inequalities involving Gurland's ratios of gamma functions. <i>Mathematical Inequalities and Applications</i> , 2019, , 97-109.	0.1	4
43	Ground states for Schrödinger-Kirchhoff equations of fractional p -Laplacian involving logarithmic and critical nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106438.	1.7	4
44	Regularity for p -Harmonic Type Systems with the Gradients below the Controllable Growth. <i>Acta Mathematica Sinica, English Series</i> , 2006, 22, 1757-1766.	0.2	3
45	Optimal regularity for p -harmonic type equations under the natural growth. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2011, 16, 669-685.	0.5	3
46	The monotonicity and convexity of a function involving ψ function with applications. <i>Journal of Inequalities and Applications</i> , 2016, 2016, .	0.5	3
47	Variable Lorentz estimate for nonlinear elliptic equations with partially regular nonlinearities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2018, 172, 1-24.	0.6	3
48	Nonlinear Complexity and Chaotic Behaviors on Finite-Range Stochastic Epidemic Financial Dynamics. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950083.	0.7	3
49	Complex and composite entropy fluctuation behaviors of statistical physics interacting financial model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 97-113.	1.2	3
50	Fluctuation and volatility dynamics of stochastic interacting energy futures price model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 537, 122693.	1.2	3
51	Some properties of the generalized Gaussian ratio and their applications. <i>Mathematical Inequalities and Applications</i> , 2020, , 177-200.	0.1	3
52	Monotonicity and convexity of the ratios of the first kind modified Bessel functions and applications. <i>Mathematical Inequalities and Applications</i> , 2018, , 107-125.	0.1	3
53	Existence and multiplicity for fractional p -Kirchhoff problem with competitive nonlinearities and critical growth. <i>Analysis and Mathematical Physics</i> , 2022, 12, .	0.6	3
54	Removable Singularities of Solutions of p -harmonic Type Equations. <i>Acta Mathematicae Applicatae Sinica</i> , 2004, 20, 115-122.	0.4	2

#	ARTICLE	IF	CITATIONS
55	Orlicz estimates for nondivergence linear elliptic equations with partially BMO coefficients. Complex Variables and Elliptic Equations, 2018, 63, 871-885.	0.4	2
56	Morrey regularity for nonlinear elliptic equations with partial BMO nonlinearities under controlled growth. Nonlinear Analysis: Theory, Methods & Applications, 2019, 180, 1-19.	0.6	2
57	Weighted gradient estimates for general nonlinear elliptic equations involving measure data. Journal of Mathematical Analysis and Applications, 2020, 488, 124048.	0.5	2
58	Lorentz estimates to nonlinear elliptic obstacle problems of $p(x)$ -growth in Reifenberg domains. Journal of Mathematical Analysis and Applications, 2021, 501, 123924.	0.5	2
59	THE COMPARISON OF GREEN FUNCTION FOR QUASI-LINEAR ELLIPTIC EQUATION. Acta Mathematica Scientia, 2005, 25, 470-480.	0.5	1
60	Regularity for quasi-linear degenerate elliptic equations with VMO coefficients. Acta Mathematica Sinica, English Series, 2008, 24, 1909-1924.	0.2	1
61	A strong convergence of the weak gradient to A-harmonic type operators with L^1 data. Journal of Mathematical Analysis and Applications, 2015, 430, 381-389.	0.5	1
62	Sharp Smith's bounds for the gamma function. Journal of Inequalities and Applications, 2018, 2018, 27.	0.5	1
63	Optimal Morrey estimate for parabolic equations in divergence form via Green's functions. Rocky Mountain Journal of Mathematics, 2018, 48, .	0.2	1
64	Statistical and nonlinear analyses of return volatility dynamics on energy futures. International Journal of Modern Physics C, 2019, 30, 1950084.	0.8	1
65	Weighted $L^{p(\cdot)}$ -regularity for fully nonlinear parabolic equations. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	1
66	Calderón-Zygmund estimate for asymptotically regular elliptic equations with $\langle L \rangle^{\sup} \langle p(x) \rangle^{\sup}$ -logarithmic growth. Complex Variables and Elliptic Equations, 2022, 67, 61-78.	0.4	1
67	$W^{2,p}$ -regularity for asymptotically regular fully nonlinear elliptic and parabolic equations with oblique boundary values. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3305.	0.6	1
68	Monotonicity and inequalities involving the incomplete gamma function. Journal of Mathematical Inequalities, 2019, , 351-367.	0.5	1
69	Another approach of Morrey estimate for linear elliptic equations with partially BMO coefficients in a half space. Filomat, 2018, 32, 1429-1437.	0.2	1
70	Variable lorentz estimate for stationary stokes system with partially BMO coefficients. Communications on Pure and Applied Analysis, 2019, 18, 2879-2903.	0.4	1
71	Weighted Lorentz estimates for fully nonlinear elliptic equations with oblique boundary data. Journal of Elliptic and Parabolic Equations, 2022, 8, 255-281.	0.4	1
72	Gradient estimates in anisotropic Lorentz spaces to general elliptic equations of p -growth. Rocky Mountain Journal of Mathematics, 2022, 52, .	0.2	1

#	ARTICLE	IF	CITATIONS
73	BELTRAMI SYSTEM WITH TWO CHARACTERISTIC MATRICES AND VARIABLE COEFFICIENTS. , 2010, , .		0
74	Zeros for the Gradients of Weakly \mathbb{A} -Harmonic Tensors. Journal of Applied Mathematics, 2014, 2014, 1-5.	0.4	0
75	Higher Integrability for Very Weak Solutions of Inhomogeneous \mathbb{A} -Harmonic Form Equations. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.4	0
76	A local Hölder estimate of $(K, 1, K, 2)$ -quasiconformal mappings between hypersurfaces. Acta Mathematica Sinica, English Series, 2015, 31, 1379-1390.	0.2	0
77	On refined Hardy-Knopp type inequalities in Orlicz spaces and some related results. Journal of Inequalities and Applications, 2015, 2015, .	0.5	0
78	L^p -Estimates for quasilinear subelliptic equations with VMO coefficients under the controllable growth. Boundary Value Problems, 2016, 2016, .	0.3	0
79	A compactness result for polyharmonic maps in the critical dimension. Czechoslovak Mathematical Journal, 2016, 66, 137-150.	0.3	0
80	An alternative approach to partial regularity of quasilinear elliptic systems with VMO coefficients. Journal of Inequalities and Applications, 2016, 2016, .	0.5	0
81	Weighted Lorentz estimates for nonlinear elliptic obstacle problems with partially regular nonlinearities. Boundary Value Problems, 2018, 2018, .	0.3	0
82	Variable Lorentz estimate for conormal derivative problems of stationary Stokes system with partially BMO coefficients. Nonlinear Analysis: Theory, Methods & Applications, 2020, 194, 111355.	0.6	0
83	Sobolev regularity for quasilinear parabolic equations with asymptotically regular nonlinearity. Applied Mathematics Letters, 2020, 103, 106211.	1.5	0
84	Hessian Estimates for Nondivergence Parabolic and Elliptic Equations with Partially BMO Coefficients. Results in Mathematics, 2020, 75, 1.	0.4	0
85	The Calderón-Zygmund estimates for a class of nonlinear elliptic equations with measure data. Mathematische Nachrichten, 2021, 294, 603-615.	0.4	0
86	The $W^{(p,q)}_{1,2}$ -solvability for a class of fully nonlinear parabolic equations. Journal of Elliptic and Parabolic Equations, 2021, 7, 25.	0.4	0
87	Everywhere regularity for P -harmonic type systems under the subcritical growth. Communications on Pure and Applied Analysis, 2008, 7, 107-117.	0.4	0
88	$\langle W \rangle^{1, \beta(\hat{A})}_{\sup}$ -estimate to non-uniformly elliptic obstacle problems with borderline growth. Complex Variables and Elliptic Equations, 0, , 1-24.	0.4	0