Shen-Zhou Zheng

List of Publications by Year
in descending order

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88	386	933264 10	1125617 13
papers	citations	h-index	g-index

88	88	88	171
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CalderÃ³nâ€“Zygmund estimate for asymptotically regular elliptic equations with L^{p(x)} -logarithmic growth. Complex Variables and Elliptic Equations, 2022, 67, 61-78.	0.4	1
2	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
3	Ground states for SchrÃ¶dingerâ€“Kirchhoff equations of fractional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e25" altimg="si14.svg"><mml:mi>p</mml:mi></mml:math>-Laplacian involving logarithmic and critical nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2022, 111, 106438.	1.7	4
4	Gradient estimates in anisotropic Lorentz spaces to general elliptic equations of p-growth. Rocky Mountain Journal of Mathematics, 2022, 52, .	0.2	1
5	Existence and multiplicity for fractional p-Kirchhoff problem with competitive nonlinearities and critical growth. Analysis and Mathematical Physics, 2022, 12, .	0.6	3
6	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
7	The CalderÃ³nâ€“Zygmund estimates for a class of nonlinear elliptic equations with measure data. Mathematische Nachrichten, 2021, 294, 603-615.	0.4	0
8	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
9	Nonlinear fluctuation behaviors of complex voter financial price dynamics on small-world network. Nonlinear Dynamics, 2021, 103, 2525-2545.	2.7	4
10	On uncertainty principle for the two-sided quaternion linear canonical transform. Journal of Pseudo-Differential Operators and Applications, 2021, 12, 1.	0.3	6
11	Uncertainty principles for the twoâ€sided offset quaternion linear canonical transform. Mathematical Methods in the Applied Sciences, 2021, 44, 14236-14255.	1.2	12
12	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
13	$ 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
14	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
15	Fluctuation and volatility dynamics of stochastic interacting energy futures price model. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122693.	1.2	3
16	Sobolev regularity for quasilinear parabolic equations with asymptotically regular nonlinearity. Applied Mathematics Letters, 2020, 103, 106211.	1.5	0
17	Hessian Estimates for Nondivergence Parabolic and Elliptic Equations with Partially BMO Coefficients. Results in Mathematics, 2020, 75, 1.	0.4	0
18	CalderÃ³n-Zygmund estimate for asymptotically regular non-uniformly elliptic equations. Journal of Mathematical Analysis and Applications, 2020, 484, 123749.	0.5	8

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19	Weighted $$L^{p(cdot)}$$-regularity for fully nonlinear parabolic equations. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	1
20	Weighted gradient estimates for general nonlinear elliptic equations involving measure data. Journal of Mathematical Analysis and Applications, 2020, 488, 124048.	0.5	2
21	Uncertainty Principles for the Two-Sided Quaternion Linear Canonical Transform. Circuits, Systems, and Signal Processing, 2020, 39, 4436-4458.	1.2	13
22	Some properties of the generalized Gaussian ratio and their applications. Mathematical Inequalities and Applications, 2020, , 177-200.	0.1	3
23	Gradient estimate of a variable power for nonlinear elliptic equations with Orlicz growth. Advances in Nonlinear Analysis, 2020, 10, 172-193.	1.3	5
24	Lorentz estimate with a variable power for parabolic obstacle problems with non-standard growths. Journal of Differential Equations, 2019, 266, 352-405.	1.1	4
25	On $$W^{1,,gamma (cdot)}$$ W 1 , Î³ (Â·) -regularity for nonlinear non-un. Manuscripta Mathematica, 2019, 159, 247-268.	0.3	9
26	Statistical and nonlinear analyses of return volatility dynamics on energy futures. International Journal of Modern Physics C, 2019, 30, 1950084.	0.8	1
27	Nonlinear gradient estimates for double phase elliptic problems with irregular double obstacles. Proceedings of the American Mathematical Society, 2019, 147, 3839-3854.	0.4	12
28	Nonlinear Complexity and Chaotic Behaviors on Finite-Range Stochastic Epidemic Financial Dynamics. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950083.	0.7	3
29	Complex and composite entropy fluctuation behaviors of statistical physics interacting financial model. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 97-113.	1.2	3
30	Weighted Lorentz estimate for asymptotically regular parabolic equations of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e19" altimg="si5.gif"><mml:mi>p</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi>x</mml:mi><mml:mo>,</mml:mo><mml:mi>t</mml:mi></mml:mrow></mml:math> type. Nonlinear Analysis: Theory, Methods & Applications, 2019, 180, 225-235.	0.6	6
31	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
32	Monotonicity and inequalities involving the incomplete gamma function. Journal of Mathematical Inequalities, 2019, , 351-367.	0.5	1
33	Complete monotonicity and inequalites involving Gurland's ratios of gamma functions. Mathematical Inequalities and Applications, 2019, , 97-109.	0.1	4
34	Variable lorentz estimate for stationary stokes system with partially BMO coefficients. Communications on Pure and Applied Analysis, 2019, 18, 2879-2903.	0.4	1
35	Modeling and complexity of stochastic interacting LÃ©vy type financial price dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 498-511.	1.2	5
36	Lorentz estimates for asymptotically regular fully nonlinear parabolic equations. Mathematische Nachrichten, 2018, 291, 996-1008.	0.4	5

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37	Sharp Smithâ€™s bounds for the gamma function. Journal of Inequalities and Applications, 2018, 2018, 27.	0.5	1
38	Fuzzy entropy complexity and multifractal behavior of statistical physics financial dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 486-498.	1.2	12
39	Variable Lorentz estimate for nonlinear elliptic equations with partially regular nonlinearities. Nonlinear Analysis: Theory, Methods & Applications, 2018, 172, 1-24.	0.6	3
40	Weighted Lorentz and Lorentzâ€“Morrey estimates to viscosity solutions of fully nonlinear elliptic equations. Complex Variables and Elliptic Equations, 2018, 63, 1271-1289.	0.4	5
41	Orlicz estimates for nondivergence linear elliptic equations with partially BMO coefficients. Complex Variables and Elliptic Equations, 2018, 63, 871-885.	0.4	2
42	Optimal Morrey estimate for parabolic equations in divergence form via Green's functions. Rocky Mountain Journal of Mathematics, 2018, 48, .	0.2	1
43	Weighted Lorentz estimates for nonlinear elliptic obstacle problems with partially regular nonlinearities. Boundary Value Problems, 2018, 2018, .	0.3	0
44	Global regularity in Lorentz spaces for nonlinear elliptic equations with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mo>â‹…</mml:mo><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (stretchy="false">)</mml:mo><mml:mi mathvariant="normal">log</mml:mi><mml:mo>â¡</mml:mo><mml:mi>L</mml:mi></mml:math>-growth.	0.5	7
45	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
46	Monotonicity and convexity of the ratios of the first kind modified Bessel functions and applications. Mathematical Inequalities and Applications, 2018, , 107-125.	0.1	3
47	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
48	The monotonicity and convexity for the ratios of modified Bessel functions of the second kind and applications. Proceedings of the American Mathematical Society, 2017, 145, 2943-2958.	0.4	19
49	Uniformly nondegenerate elliptic equations with partially BMO coefficients in nonsmooth domains. Nonlinear Analysis: Theory, Methods & Applications, 2017, 156, 90-110.	0.6	4
50	Sharp Bounds for the Ratio of Modified Bessel Functions. Mediterranean Journal of Mathematics, 2017, 14, 1.	0.4	12
51	Global weighted Lorentz estimates to nonlinear parabolic equations over nonsmooth domains. Journal of Mathematical Analysis and Applications, 2017, 456, 1238-1260.	0.5	5
52	New Sharp Approximations Involving Incomplete Gamma Functions. Results in Mathematics, 2017, 72, 1007-1020.	0.4	5
53	Sharp inequalities for tangent function with applications. Journal of Inequalities and Applications, 2017, 2017, 94.	0.5	6
54	Lorentz estimates for fully nonlinear parabolic and elliptic equations. Nonlinear Analysis: Theory, Methods & Applications, 2017, 148, 106-125.	0.6	10

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55	Complex and Entropy of Fluctuations of Agent-Based Interacting Financial Dynamics with Random Jump. Entropy, 2017, 19, 512.	1.1	9
56	Complete monotonicity involving some ratios of gamma functions. Journal of Inequalities and Applications, 2017, 2017, 255.	0.5	9
57	Lorentz estimates for the gradient of weak solutions to elliptic obstacle problems with partially BMO coefficients. Boundary Value Problems, 2017, 2017, .	0.3	8
58	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
59	Monotonicity of a mean related to polygamma functions with an application. Journal of Inequalities and Applications, 2016, 2016, .	0.5	7
60	The monotonicity and convexity of a function involving psi function with applications. Journal of Inequalities and Applications, 2016, 2016, .	0.5	3
61	L p L^{p} -Estimates for quasilinear subelliptic equations with VMO coefficients under the controllable growth. Boundary Value Problems, 2016, 2016, .	0.3	0
62	Traveling Waves Connecting Equilibrium and Periodic Orbit for a Delayed Population Model on a Two-Dimensional Spatial Lattice. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650049.	0.7	4
63	A compactness result for polyharmonic maps in the critical dimension. Czechoslovak Mathematical Journal, 2016, 66, 137-150.	0.3	0
64	An alternative approach to partial regularity of quasilinear elliptic systems with VMO coefficients. Journal of Inequalities and Applications, 2016, 2016, .	0.5	0
65	Lorentz estimate for nonlinear parabolic obstacle problems with asymptotically regular nonlinearities. Nonlinear Analysis: Theory, Methods & Applications, 2016, 134, 189-203.	0.6	5
66	A local HÃ¶lder estimate of (K 1,K 2)-quasiconformal mappings between hypersurfaces. Acta Mathematica Sinica, English Series, 2015, 31, 1379-1390.	0.2	0
67	A strong convergence of the weak gradient to A-harmonic type operators with L1 data. Journal of Mathematical Analysis and Applications, 2015, 430, 381-389.	0.5	1
68	Regularity of subelliptic p-harmonic systems with subcritical growth in Carnot group. Journal of Differential Equations, 2015, 258, 2471-2494.	1.1	10
69	BMO estimate to A-harmonic systems with discontinuous coefficients. Nonlinear Analysis: Real World Applications, 2015, 26, 64-74.	0.9	6
70	On refined Hardy-Knopp type inequalities in Orlicz spaces and some related results. Journal of Inequalities and Applications, 2015, 2015, .	0.5	0
71	Zeros for the Gradients of Weakly<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math>-Harmonic Tensors. Journal of Applied Mathematics, 2014, 2014, 1-5.	0.4	0
72	Higher Integrability for Very Weak Solutions of InhomogeneousA-Harmonic Form Equations. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.4	0

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73	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
74	Green functions for a class of nonlinear degenerate operators with X-ellipticity. Transactions of the American Mathematical Society, 2012, 364, 3627-3655.	0.5	10
75	Travelling wave solutions of the Burgers-Huxley equation. IMA Journal of Applied Mathematics, 2012, 77, 316-325.	0.8	5
76	Energy identity of approximate biharmonic maps to Riemannian manifolds and its application. Journal of Functional Analysis, 2012, 263, 960-987.	0.7	9
77	Optimal regularity for A-harmonic type equations under the natural growth. Discrete and Continuous Dynamical Systems - Series B, 2011, 16, 669-685.	0.5	3
78	BELTRAMI SYSTEM WITH TWO CHARACTERISTIC MATRICES AND VARIABLE COEFFICIENTS. , 2010, , .		0
79	Traveling wave solutions to a reaction-diffusion equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 756-773.	0.7	14
80	Regularity for quasi-linear degenerate elliptic equations with VMO coefficients. Acta Mathematica Sinica, English Series, 2008, 24, 1909-1924.	0.2	1
81	Regularity for a class of degenerate elliptic equations with discontinuous coefficients under natural growth. Journal of Mathematical Analysis and Applications, 2008, 346, 359-373.	0.5	11
82	Regularity for quasi-linear elliptic systems with discontinuous coefficients. Dynamics of Partial Differential Equations, 2008, 5, 87-99.	1.0	11
83	Everywhere regularity for P-harmonic type systems under the subcritical growth. Communications on Pure and Applied Analysis, 2008, 7, 107-117.	0.4	0
84	Regularity for Pâ€“Harmonic Type Systems with the Gradients below the Controllable Growth. Acta Mathematica Sinica, English Series, 2006, 22, 1757-1766.	0.2	3
85	THE COMPARISON OF GREEN FUNCTION FOR QUASI-LINEAR ELLIPTIC EQUATION. Acta Mathematica Scientia, 2005, 25, 470-480.	0.5	1
86	Regularity Results for the Generalized Beltrami System. Acta Mathematica Sinica, English Series, 2004, 20, 293-304.	0.2	7
87	Removable Singularities of Solutions of A-harmonic Type Equations. Acta Mathematicae Applicatae Sinica, 2004, 20, 115-122.	0.4	2
88	W^{1,Î³(Â·)}-estimate to non-uniformly elliptic obstacle problems with borderline growth. Complex Variables and Elliptic Equations, 0, , 1-24.	0.4	0