

Feng Ding

List of Publications by Year in descending order

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364
docs citations

364
times ranked

9064
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute kidney injury in China: a cross-sectional survey. <i>Lancet, The</i> , 2015, 386, 1465-1471.	6.3	319
2	Ab Initio Folding of Proteins with All-Atom Discrete Molecular Dynamics. <i>Structure</i> , 2008, 16, 1010-1018.	1.6	287
3	Ab initio RNA folding by discrete molecular dynamics: From structure prediction to folding mechanisms. <i>Rna</i> , 2008, 14, 1164-1173.	1.6	258
4	An Active-Rectifier-Based Maximum Efficiency Tracking Method Using an Additional Measurement Coil for Wireless Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 716-728.	5.4	247
5	<i>RNA-Puzzles</i> : A CASP-like evaluation of RNA three-dimensional structure prediction. <i>Rna</i> , 2012, 18, 610-625.	1.6	241
6	iFoldRNA: three-dimensional RNA structure prediction and folding. <i>Bioinformatics</i> , 2008, 24, 1951-1952.	1.8	200
7	Fault Diagnosis of Electric Power Systems Based on Fuzzy Reasoning Spiking Neural P Systems. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 1182-1194.	4.6	193
8	Inductive Power Transfer for Massive Electric Bicycles Charging Based on Hybrid Topology Switching With a Single Inverter. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 5897-5906.	5.4	189
9	Discrete Molecular Dynamics: An Efficient And Versatile Simulation Method For Fine Protein Characterization. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8375-8382.	1.2	179
10	Emergence of Protein Fold Families through Rational Design. <i>PLoS Computational Biology</i> , 2006, 2, e85.	1.5	177
11	<i>RNA-Puzzles</i> Round II: assessment of RNA structure prediction programs applied to three large RNA structures. <i>Rna</i> , 2015, 21, 1066-1084.	1.6	161
12	Fault Detection and Classification in EHV Transmission Line Based on Wavelet Singular Entropy. <i>IEEE Transactions on Power Delivery</i> , 2010, 25, 2156-2163.	2.9	160
13	RNA-Puzzles Round III: 3D RNA structure prediction of five riboswitches and one ribozyme. <i>Rna</i> , 2017, 23, 655-672.	1.6	158
14	Hybrid and Reconfigurable IPT Systems With High-Misalignment Tolerance for Constant-Current and Constant-Voltage Battery Charging. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8259-8269.	5.4	133
15	Inhibition of amyloid beta toxicity in zebrafish with a chaperone-gold nanoparticle dual strategy. <i>Nature Communications</i> , 2019, 10, 3780.	5.8	132
16	Dynamical roles of metal ions and the disulfide bond in Cu, Zn superoxide dismutase folding and aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19696-19701.	3.3	131
17	Folding Trp-Cage to NMR Resolution Native Structure Using a Coarse-Grained Protein Model. <i>Biophysical Journal</i> , 2005, 88, 147-155.	0.2	130
18	Harmonic Resonance Assessment to Traction Power-Supply System Considering Train Model in China High-Speed Railway. <i>IEEE Transactions on Power Delivery</i> , 2014, 29, 1735-1743.	2.9	125

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19	A New Coil Structure and Its Optimization Design With Constant Output Voltage and Constant Output Current for Electric Vehicle Dynamic Wireless Charging. IEEE Transactions on Industrial Informatics, 2019, 15, 5244-5256.	7.2	119
20	Improving Misalignment Tolerance for IPT System Using a Third-Coil. IEEE Transactions on Power Electronics, 2019, 34, 3009-3013.	5.4	118
21	Direct observation of a single nanoparticle's ubiquitin corona formation. Nanoscale, 2013, 5, 9162.	2.8	116
22	Overview of Harmonic and Resonance in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2018, 54, 5227-5245.	3.3	116
23	Potential Harmonic Resonance Impacts of PV Inverter Filters on Distribution Systems. IEEE Transactions on Sustainable Energy, 2015, 6, 151-161.	5.9	107
24	Passive Filter Design for China High-Speed Railway With Considering Harmonic Resonance and Characteristic Harmonics. IEEE Transactions on Power Delivery, 2015, 30, 505-514.	2.9	105
25	Stabilizing Off-pathway Oligomers by Polyphenol Nanoassemblies for IAPP Aggregation Inhibition. Scientific Reports, 2016, 6, 19463.	1.6	104
26	Dual-Phase-Shift Control Scheme With Current-Stress and Efficiency Optimization for Wireless Power Transfer Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3110-3121.	3.5	104
27	RNA-Puzzles Round IV: 3D structure predictions of four ribozymes and two aptamers. Rna, 2020, 26, 982-995.	1.6	100
28	Inhibition of hIAPP Amyloid Aggregation and Pancreatic β -Cell Toxicity by OH-Terminated PAMAM Dendrimer. Small, 2016, 12, 1615-1626.	5.2	99
29	Analysis and Design of Load-Independent Output Current or Output Voltage of a Three-Coil Wireless Power Transfer System. IEEE Transactions on Transportation Electrification, 2018, 4, 364-375.	5.3	98
30	Chemical and Biophysical Signatures of the Protein Corona in Nanomedicine. Journal of the American Chemical Society, 2022, 144, 9184-9205.	6.6	98
31	Discrete molecular dynamics. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2011, 1, 80-92.	6.2	91
32	Analysis, Design, and Experimental Verification of a Mixed High-Order Compensations-Based WPT System with Constant Current Outputs for Driving Multistring LEDs. IEEE Transactions on Industrial Electronics, 2020, 67, 203-213.	5.2	88
33	Mitigation of Amyloidosis with Nanomaterials. Advanced Materials, 2020, 32, e1901690.	11.1	87
34	Active and Reactive Currents Decomposition-Based Control of Angle and Magnitude of Current for a Parallel Multiinverter IPT System. IEEE Transactions on Power Electronics, 2017, 32, 1602-1614.	5.4	86
35	A Sliding Mode Based Damping Control of DFIG for Interarea Power Oscillations. IEEE Transactions on Sustainable Energy, 2017, 8, 258-267.	5.9	86
36	Mitochondrial reactive oxygen species-mediated NLRP3 inflammasome activation contributes to aldosterone-induced renal tubular cells injury. Oncotarget, 2016, 7, 17479-17491.	0.8	84

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37	Rapid Flexible Docking Using a Stochastic Rotamer Library of Ligands. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1623-1632.	2.5	80
38	Hybrid Topology With Configurable Charge Current and Charge Voltage Output-Based WPT Charger for Massive Electric Bicycles. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018, 6, 1581-1594.	3.7	80
39	Power-Quality Impact Assessment for High-Speed Railway Associated With High-Speed Trains Using Train Timetable—Part I: Methodology and Modeling. <i>IEEE Transactions on Power Delivery</i> , 2016, 31, 693-703.	2.9	79
40	Reconfigurable Intermediate Resonant Circuit Based WPT System With Load-Independent Constant Output Current and Voltage for Charging Battery. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 1988-1992.	5.4	78
41	Three-dimensional RNA structure refinement by hydroxyl radical probing. <i>Nature Methods</i> , 2012, 9, 603-608.	9.0	77
42	Local Unfolding of Cu, Zn Superoxide Dismutase Monomer Determines the Morphology of Fibrillar Aggregates. <i>Journal of Molecular Biology</i> , 2012, 421, 548-560.	2.0	74
43	Analysis and Design of Inductive and Capacitive Hybrid Wireless Power Transfer System for Railway Application. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 3034-3042.	3.3	74
44	Simple but predictive protein models. <i>Trends in Biotechnology</i> , 2005, 23, 450-455.	4.9	73
45	Topological Determinants of Protein Domain Swapping. <i>Structure</i> , 2006, 14, 5-14.	1.6	73
46	Efficiency Optimization for Wireless Dynamic Charging System With Overlapped DD Coil Arrays. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 2832-2846.	5.4	73
47	Reconstruction of the src-SH3 Protein Domain Transition State Ensemble using Multiscale Molecular Dynamics Simulations. <i>Journal of Molecular Biology</i> , 2005, 350, 1035-1050.	2.0	72
48	Native-like RNA Tertiary Structures Using a Sequence-Encoded Cleavage Agent and Refinement by Discrete Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2009, 131, 2541-2546.	6.6	65
49	Star Polymers Reduce Islet Amyloid Polypeptide Toxicity via Accelerated Amyloid Aggregation. <i>Biomacromolecules</i> , 2017, 18, 4249-4260.	2.6	65
50	Achieving Predictive and Proactive Maintenance for High-Speed Railway Power Equipment With LSTM-RNN. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6509-6517.	7.2	65
51	A New-Variable-Coil-Structure-Based IPT System With Load-Independent Constant Output Current or Voltage for Charging Electric Bicycles. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8226-8230.	5.4	62
52	β -barrel Oligomers as Common Intermediates of Peptides Self-Assembling into Cross- β Aggregates. <i>Scientific Reports</i> , 2018, 8, 10353.	1.6	62
53	Optimization of the Passive Components for an S-LCC Topology-Based WPT System for Charging Massive Electric Bicycles. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 5497-5508.	5.2	59
54	Scaling Behavior and Structure of Denatured Proteins. <i>Structure</i> , 2005, 13, 1047-1054.	1.6	58

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55	Mitigating Human IAPP Amyloidogenesis In Vivo with Chiral Silica Nanoribbons. <i>Small</i> , 2018, 14, e1802825.	5.2	57
56	Contrasting effects of nanoparticle-protein attraction on amyloid aggregation. <i>RSC Advances</i> , 2015, 5, 105489-105498.	1.7	56
57	Analysis and Transmitter Currents Decomposition Based Control for Multiple Overlapped Transmitters Based WPT Systems Considering Cross Couplings. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 1829-1842.	5.4	56
58	Power quality in high-speed railway systems. <i>International Journal of Rail Transportation</i> , 2016, 4, 71-97.	1.8	54
59	A New Load Frequency Control Method of Multi-Area Power System via the Viewpoints of Port-Hamiltonian System and Cascade System. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 1689-1700.	4.6	52
60	Identification of Nonlinear Dynamic System Using a Novel Recurrent Wavelet Neural Network Based on the Pipelined Architecture. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 4171-4182.	5.2	51
61	Variable-Parameter T-Circuit-Based IPT System Charging Battery With Constant Current or Constant Voltage Output. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 1672-1684.	5.4	51
62	An Optimal Multivariable Control Strategy for Inductive Power Transfer Systems to Improve Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 8998-9010.	5.4	51
63	Inhibition of IAPP aggregation by insulin depends on the insulin oligomeric state regulated by zinc ion concentration. <i>Scientific Reports</i> , 2015, 5, 8240.	1.6	50
64	Cofibrillization of Pathogenic and Functional Amyloid Proteins with Gold Nanoparticles against Amyloidogenesis. <i>Biomacromolecules</i> , 2017, 18, 4316-4322.	2.6	50
65	Impedance-Based Harmonic Instability Assessment in a Multiple Electric Trains and Traction Network Interaction System. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 5083-5096.	3.3	50
66	Evaluation Model of DC Current Distribution in AC Power Systems Caused by Stray Current of DC Metro Systems. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 114-123.	2.9	50
67	Amyloid Self-Assembly of hIAPP8 ²⁰ via the Accumulation of Helical Oligomers, β -Helix to β -Sheet Transition, and Formation of β -Barrel Intermediates. <i>Small</i> , 2019, 15, e1805166.	5.2	49
68	A Novel Controlled Frequency Band Impedance Measurement Approach for Single-Phase Railway Traction Power System. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 244-253.	5.2	48
69	Impedance Measurement of Traction Network and Electric Train for Stability Analysis in High-Speed Railways. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 10086-10100.	5.4	46
70	Nucleation of β -rich oligomers and β -barrels in the early aggregation of human islet amyloid polypeptide. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 434-444.	1.8	44
71	Spontaneous formation of β -sheet nano-barrels during the early aggregation of Alzheimer's amyloid beta. <i>Nano Today</i> , 2021, 38, 101125.	6.2	44
72	NanoEHS beyond toxicity - focusing on biocorona. <i>Environmental Science: Nano</i> , 2017, 4, 1433-1454.	2.2	43

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73	Power-Quality Impact Assessment for High-Speed Railway Associated With High-Speed Trains Using Train Timetable”Part II: Verifications, Estimations and Applications. IEEE Transactions on Power Delivery, 2016, 31, 1482-1492.	2.9	42
74	Harmonic Resonance Evaluation for Hub Traction Substation Consisting of Multiple High-Speed Railways. IEEE Transactions on Power Delivery, 2017, 32, 910-920.	2.9	42
75	A Novel WPT System Based on Dual Transmitters and Dual Receivers for High Power Applications: Analysis, Design and Implementation. Energies, 2017, 10, 174.	1.6	42
76	Identifying weak interdomain interactions that stabilize the supertertiary structure of the N-terminal tandem PDZ domains of PSD-95. Nature Communications, 2018, 9, 3724.	5.8	41
77	Understanding Effects of PAMAM Dendrimer Size and Surface Chemistry on Serum Protein Binding with Discrete Molecular Dynamics Simulations. ACS Sustainable Chemistry and Engineering, 2018, 6, 11704-11715.	3.2	41
78	A Calculation Method of Pseudo Extinction Angle for Commutation Failure Mitigation in HVDC. IEEE Transactions on Power Delivery, 2019, 34, 777-779.	2.9	41
79	PAMAM Dendrimers and Graphene: Materials for Removing Aromatic Contaminants from Water. Environmental Science & Technology, 2015, 49, 4490-4497.	4.6	40
80	Adaptive method for harmonic contribution assessment based on hierarchical K-means clustering and Bayesian partial least squares regression. IET Generation, Transmission and Distribution, 2016, 10, 3220-3227.	1.4	40
81	Prohibitin 2-mediated mitophagy attenuates renal tubular epithelial cells injury by regulating mitochondrial dysfunction and NLRP3 inflammasome activation. American Journal of Physiology - Renal Physiology, 2019, 316, F396-F407.	1.3	40
82	Improved Fault-Location System for Railway Distribution System Using Superimposed Signal. IEEE Transactions on Power Delivery, 2010, 25, 1899-1911.	2.9	39
83	Profiling the Serum Protein Corona of Fibrillar Human Islet Amyloid Polypeptide. ACS Nano, 2018, 12, 6066-6078.	7.3	39
84	Model predictive control-based load frequency control for power systems with wind turbine generators. IET Renewable Power Generation, 2019, 13, 2871-2879.	1.7	39
85	Reconfigurable Topology for IPT System Maintaining Stable Transmission Power Over Large Coupling Variation. IEEE Transactions on Power Electronics, 2020, 35, 4915-4924.	5.4	39
86	A Low-Cost Multiwinding Transformer Balancing Topology for Retired Series-Connected Battery String. IEEE Transactions on Power Electronics, 2021, 36, 4931-4936.	5.4	39
87	Modulating protein amyloid aggregation with nanomaterials. Environmental Science: Nano, 2017, 4, 1772-1783.	2.2	38
88	Double-sided CL compensation topology based component voltage stress optimisation method for capacitive power transfer charging system. IET Power Electronics, 2018, 11, 1153-1160.	1.5	38
89	Uniform Power IPT System With Three-Phase Transmitter and Bipolar Receiver for Dynamic Charging. IEEE Transactions on Power Electronics, 2019, 34, 2013-2017.	5.4	38
90	Incorporating Backbone Flexibility in MedusaDock Improves Ligand-Binding Pose Prediction in the CSAR2011 Docking Benchmark. Journal of Chemical Information and Modeling, 2013, 53, 1871-1879.	2.5	37

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91	Stability Analysis of PV Plant-Tied MVdc Railway Electrification System. IEEE Transactions on Transportation Electrification, 2019, 5, 311-323.	5.3	36
92	Efficiency Improvement of Wireless Power Transfer Based on Multitransmitter System. IEEE Transactions on Power Electronics, 2020, 35, 9011-9023.	5.4	36
93	Nanoscale inhibition of polymorphic and ambidextrous IAPP amyloid aggregation with small molecules. Nano Research, 2018, 11, 3636-3647.	5.8	35
94	Analysis and design of hybrid inductive and capacitive wireless power transfer for high-power applications. IET Power Electronics, 2018, 11, 2263-2270.	1.5	35
95	Decoupling Circuit for Automated Guided Vehicles IPT Charging Systems With Dual Receivers. IEEE Transactions on Power Electronics, 2020, 35, 6652-6657.	5.4	35
96	The leukotriene B4-leukotriene B4 receptor axis promotes cisplatin-induced acute kidney injury by modulating neutrophil recruitment. Kidney International, 2017, 92, 89-100.	2.6	34
97	Effects of Protein Corona on IAPP Amyloid Aggregation, Fibril Remodelling, and Cytotoxicity. Scientific Reports, 2017, 7, 2455.	1.6	34
98	Graphene quantum dots rescue protein dysregulation of pancreatic β -cells exposed to human islet amyloid polypeptide. Nano Research, 2019, 12, 2827-2834.	5.8	34
99	A Misalignment Tolerant IPT System With Intermediate Coils for Constant-Current Output. IEEE Transactions on Power Electronics, 2019, 34, 7151-7155.	5.4	34
100	Serum indoxyl sulfate is associated with mortality in hospital-acquired acute kidney injury: a prospective cohort study. BMC Nephrology, 2019, 20, 57.	0.8	34
101	Toward the Prediction Level of Situation Awareness for Electric Power Systems Using CNN-LSTM Network. IEEE Transactions on Industrial Informatics, 2021, 17, 6951-6961.	7.2	34
102	Amyloid Aggregation under the Lens of Liquid-Liquid Phase Separation. Journal of Physical Chemistry Letters, 2021, 12, 368-378.	2.1	34
103	The Bioartificial Kidney and Bioengineered Membranes in Acute Kidney Injury. Nephron Experimental Nephrology, 2008, 109, e118-e122.	2.4	33
104	Dynamic Improvement of Inductive Power Transfer Systems With Maximum Energy Efficiency Tracking Using Model Predictive Control: Analysis and Experimental Verification. IEEE Transactions on Power Electronics, 2020, 35, 12752-12764.	5.4	33
105	Synthesis and in vitro properties of iron oxide nanoparticles grafted with brushed phosphorylcholine and polyethylene glycol. Polymer Chemistry, 2016, 7, 1931-1944.	1.9	32
106	Amyloidosis inhibition, a new frontier of the protein corona. Nano Today, 2020, 35, 100937.	6.2	32
107	Adaptive Extended Pipelined Second-Order Volterra Filter for Nonlinear Active Noise Controller. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1394-1399.	3.8	31
108	A Novel Traveling-Wave Directional Relay Based on Apparent Surge Impedance. IEEE Transactions on Power Delivery, 2015, 30, 1153-1161.	2.9	31

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109	Modal Frequency Sensitivity Analysis and Application Using Complex Nodal Matrix. IEEE Transactions on Power Delivery, 2014, 29, 969-971.	2.9	30
110	Measurement-Based Compartmental Modeling of Harmonic Sources in Traction Power-Supply System. IEEE Transactions on Power Delivery, 2017, 32, 900-909.	2.9	30
111	Low Frequency Oscillation Traceability and Suppression in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2019, 55, 7699-7711.	3.3	30
112	System-Level Dynamic Energy Consumption Evaluation for High-Speed Railway. IEEE Transactions on Transportation Electrification, 2019, 5, 745-757.	5.3	29
113	A Monitoring Equipment Charging System for HVTL Based on Domino-Resonator WPT With Constant Current or Constant Voltage Output. IEEE Transactions on Power Electronics, 2022, 37, 3668-3680.	5.4	29
114	Study on Power Factor Behavior in High-Speed Railways Considering Train Timetable. IEEE Transactions on Transportation Electrification, 2018, 4, 220-231.	5.3	28
115	Primary-Side Parameter Estimation Method for Bidirectional Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2021, 36, 68-72.	5.4	28
116	Promotion or Inhibition of Islet Amyloid Polypeptide Aggregation by Zinc Coordination Depends on Its Relative Concentration. Biochemistry, 2015, 54, 7335-7344.	1.2	27
117	Structures and dynamics of β -barrel oligomer intermediates of amyloid-beta ₁₆₋₂₂ aggregation. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1687-1697.	1.4	27
118	Single-Molecular Heteroamyloidosis of Human Islet Amyloid Polypeptide. Nano Letters, 2019, 19, 6535-6546.	4.5	27
119	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. Small, 2020, 16, e1906674.	5.2	26
120	A technical framework of PHM and active maintenance for modern high-speed railway traction power supply systems. International Journal of Rail Transportation, 2017, 5, 145-169.	1.8	25
121	Extinction angle predictive control strategy for commutation failure mitigation in HVDC systems considering voltage distortion. IET Generation, Transmission and Distribution, 2019, 13, 5171-5179.	1.4	25
122	Quantitative Severity Assessment and Sensitivity Analysis Under Uncertainty for Harmonic Resonance Amplification in Power Systems. IEEE Transactions on Power Delivery, 2020, 35, 809-818.	2.9	25
123	Inhibition of Amyloid Aggregation and Toxicity with Janus Iron Oxide Nanoparticles. Chemistry of Materials, 2021, 33, 6484-6500.	3.2	25
124	Probabilistic Harmonic Resonance Assessment Considering Power System Uncertainties. IEEE Transactions on Power Delivery, 2018, 33, 2989-2998.	2.9	24
125	Physical and toxicological profiles of human IAPP amyloids and plaques. Science Bulletin, 2019, 64, 26-35.	4.3	24
126	Harmonic Instability Analysis and Suppression Method Based on $\langle i \rangle \hat{I}^2 \langle i \rangle$ -Frame Impedance for Trains and Network Interaction System. IEEE Transactions on Energy Conversion, 2019, 34, 1124-1134.	3.7	24

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127	A power-quality monitoring and assessment system for high-speed railways based on train-network-data center integration. <i>Railway Engineering Science</i> , 2021, 29, 30-41.	2.7	24
128	Misfolding and Self-Assembly Dynamics of Microtubule-Binding Repeats of the Alzheimer-Related Protein Tau. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2916-2925.	2.5	24
129	Risk Index System for Catenary Lines of High-Speed Railway Considering the Characteristics of Time-Space Differences. <i>IEEE Transactions on Transportation Electrification</i> , 2017, 3, 739-749.	5.3	23
130	Ground fault location in radial distribution networks involving distributed voltage measurement. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 987-996.	1.4	23
131	Elevated amyloidoses of human IAPP and amyloid beta by lipopolysaccharide and their mitigation by carbon quantum dots. <i>Nanoscale</i> , 2020, 12, 12317-12328.	2.8	23
132	Dynamic Protein Corona of Gold Nanoparticles with an Evolving Morphology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58238-58251.	4.0	23
133	Mechanistic Insights from Discrete Molecular Dynamics Simulations of Pesticide-Nanoparticle Interactions. <i>Environmental Science & Technology</i> , 2017, 51, 8396-8404.	4.6	22
134	A Dynamic Tuning Method Utilizing Inductor Paralleled With Load for Inductive Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 10924-10934.	5.4	22
135	Hierarchical Multiobjective H-Infinity Robust Control Design for Wireless Power Transfer System Using Genetic Algorithm. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 1753-1761.	3.2	22
136	Plasmacytoid dendritic cells promote acute kidney injury by producing interferon- γ . <i>Cellular and Molecular Immunology</i> , 2021, 18, 219-229.	4.8	22
137	Ultrasmall Molybdenum Disulfide Quantum Dots Cage Alzheimer's Amyloid Beta to Restore Membrane Fluidity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29936-29948.	4.0	22
138	A Framework of Paracellular Transport via Nanoparticles-Induced Endothelial Leakiness. <i>Advanced Science</i> , 2021, 8, e2102519.	5.6	22
139	A Thermodynamics Model for the Emergence of a Stripe-like Binary SAM on a Nanoparticle Surface. <i>Small</i> , 2015, 11, 4894-4899.	5.2	21
140	New Criterion of Converter Transformer Differential Protection Based on Wavelet Energy Entropy. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 980-990.	2.9	21
141	Increasing the removal of protein-bound uremic toxins by liposome-supported hemodialysis. <i>Artificial Organs</i> , 2019, 43, 490-503.	1.0	21
142	Brushed polyethylene glycol and phosphorylcholine for grafting nanoparticles against protein binding. <i>Polymer Chemistry</i> , 2016, 7, 6875-6879.	1.9	20
143	A voltage stress optimization method of capacitive power transfer charging system. , 2017, , .		20
144	A Practical Approach to Mitigate Low-Frequency Oscillation in Railway Electrification Systems. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8198-8203.	5.4	20

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145	Analysis and Adaptive Mitigation Scheme of Low-Frequency Oscillations in AC Railway Traction Power Systems. IEEE Transactions on Transportation Electrification, 2019, 5, 715-726.	5.3	20
146	LC-CLC compensation topology for capacitive power transfer system to improve misalignment performance. IET Power Electronics, 2019, 12, 2626-2633.	1.5	20
147	Analysis and Design of a T/S Compensated IPT System for AGV Maintaining Stable Output Current Versus Air Gap and Load Variations. IEEE Transactions on Power Electronics, 2022, 37, 6217-6228.	5.4	20
148	Serum prealbumin and its changes over time are associated with mortality in acute kidney injury. Scientific Reports, 2017, 7, 41493.	1.6	19
149	Second-Order Sliding Mode Based P-Q Coordinated Modulation of DFIGs Against Interarea Oscillations. IEEE Transactions on Power Systems, 2017, 32, 4978-4980.	4.6	19
150	Two-Degree-of-Freedom H _∞ Robust Control Optimization for the IPT System With Parameter Perturbations. IEEE Transactions on Power Electronics, 2018, 33, 10954-10969.	5.4	19
151	A General Mutual Coupling Model of MIMO Capacitive Coupling Interface With Arbitrary Number of Ports. IEEE Transactions on Power Electronics, 2021, 36, 6163-6167.	5.4	19
152	Two Improved Normalized Subband Adaptive Filter Algorithms with Good Robustness Against Impulsive Interferences. Circuits, Systems, and Signal Processing, 2016, 35, 4607-4619.	1.2	18
153	Analysis and Prevention of Subsequent Commutation Failures Caused by Improper Inverter Control Interactions in HVDC Systems. IEEE Transactions on Power Delivery, 2020, , 1-1.	2.9	18
154	A Quasi-Resonant Extended State Observer-Based Predictive Current Control Strategy for Three-Phase PWM Rectifier. IEEE Transactions on Industrial Electronics, 2022, 69, 13910-13917.	5.2	18
155	Voltage-Sag-Profiles-Based Fault Location in High-Speed Railway Distribution System. IEEE Transactions on Industry Applications, 2017, 53, 5229-5238.	3.3	17
156	A Rapid Modal Analysis Method for Harmonic Resonance Using Modified Power Iteration. IEEE Transactions on Power Delivery, 2018, 33, 1495-1497.	2.9	17
157	Optimization Method With Prediction-Based Maintenance Strategy for Traction Power Supply Equipment Based on Risk Quantification. IEEE Transactions on Transportation Electrification, 2018, 4, 961-970.	5.3	17
158	Bisphenol A analogs in patients with chronic kidney disease and dialysis therapy. Ecotoxicology and Environmental Safety, 2019, 185, 109684.	2.9	17
159	A Novel Forbidden-Region-Based Stability Criterion in Modified Sequence-Domain for AC Grid-Converter System. IEEE Transactions on Power Electronics, 2019, 34, 2988-2995.	5.4	17
160	A Multifrequency Model of Electric Locomotive for High-Frequency Instability Assessment. IEEE Transactions on Transportation Electrification, 2020, 6, 241-256.	5.3	17
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