Kristy A Campbell

List of Publications by Year
in descending order

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42 papers	2,438 citations	361413 20 h-index	395702 33 g-index
44 all docs	44 docs citations	44 times ranked	1825 citing authors

#	Article	IF	Citations
1	55Mn ENDOR of the S2-State Multiline EPR Signal of Photosystem II:Â Implications on the Structure of the Tetranuclear Mn Cluster. Journal of the American Chemical Society, 2000, 122, 10926-10942.	13.7	375
2	Recent pulsed EPR studies of the Photosystem II oxygen-evolving complex: implications as to water oxidation mechanisms. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 158-171.	1.0	204
3	Dual-Mode EPR Study of Mn(III) Salen and the Mn(III) Salen-Catalyzed Epoxidation ofcis-Î²-Methylstyrene. Journal of the American Chemical Society, 2001, 123, 5710-5719.	13.7	164
4	Dual-Mode EPR Detects the Initial Intermediate in Photoassembly of the Photosystem II Mn Cluster:Â The Influence of Amino Acid Residue 170 of the D1 Polypeptide on Mn Coordination. Journal of the American Chemical Society, 2000, 122, 3754-3761.	13.7	140
5	Real-Time Detection of False Data Injection in Smart Grid Networks: An Adaptive CUSUM Method and Analysis. IEEE Systems Journal, 2016, 10, 532-543.	4.6	135
6	Pulsed and Parallel-Polarization EPR Characterization of the Photosystem II Oxygen-Evolving Complex. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 463-495.	18.3	121
7	55Mn Pulsed ENDOR Demonstrates That the Photosystem II â€œSplitâ€•EPR Signal Arises from a Magnetically-Coupled Manganoâ^'Tyrosyl Complex. Journal of the American Chemical Society, 1998, 120, 6840-6841.	13.7	112
8	Parallel Polarization EPR Detection of an S1-State â€œMultilineâ€•EPR Signal in Photosystem II Particles fromSynechocystissp. PCC 6803. Journal of the American Chemical Society, 1998, 120, 447-448.	13.7	100
9	The Ï„-Nitrogen of D2 Histidine 189 is the Hydrogen Bond Donor to the Tyrosine Radical YDâ€¢of Photosystem II. Journal of the American Chemical Society, 1997, 119, 4787-4788.	13.7	96
10	Does Histidine 332 of the D1 Polypeptide Ligate the Manganese Cluster in Photosystem II? An Electron Spin Echo Envelope Modulation Studyâ€. Biochemistry, 2001, 40, 3690-3699.	2.5	90
11	The 23 and 17 kDa Extrinsic Proteins of Photosystem II Modulate the Magnetic Properties of the S1-State Manganese Clusterâ€. Biochemistry, 1998, 37, 5039-5045.	2.5	88
12	Self-directed channel memristor for high temperature operation. Microelectronics Journal, 2017, 59, 10-14.	2.0	87
13	Parallel Polarization EPR Characterization of the Mn(III) Center of Oxidized Manganese Superoxide Dismutase. Journal of the American Chemical Society, 1999, 121, 4714-4715.	13.7	84
14	Silver chalcogenide based memristor devices. , 2010, , .		80
15	Reconfigurable Memristive Device Technologies. Proceedings of the IEEE, 2015, 103, 1004-1033.	21.3	69
16	Defending false data injection attack on smart grid network using adaptive CUSUM test. , 2011, , .		64
17	Phase-change memory devices with stacked Ge-chalcogenide/Sn-chalcogenide layers. Microelectronics Journal, 2007, 38, 52-59.	2.0	62
18	Glutamate 189 of the D1 Polypeptide Modulates the Magnetic and Redox Properties of the Manganese Cluster and Tyrosine YZin Photosystem IIâ€. Biochemistry, 2000, 39, 6275-6287.	2.5	51

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19	Histidine 332 of the D1 Polypeptide Modulates the Magnetic and Redox Properties of the Manganese Cluster and Tyrosine YZ in Photosystem II. Biochemistry, 2000, 39, 470-478.	2.5	47
20	Compact method for modeling and simulation of memristor devices: Ion conductor chalcogenide-based memristor devices. , 2010, , .		47
21	Does Aspartate 170 of the D1 Polypeptide Ligate the Manganese Cluster in Photosystem II? An EPR and ESEEM Studyâ€. Biochemistry, 2003, 42, 10600-10608.	2.5	41
22	Reconfigurable Threshold Logic Gates using Memristive Devices. Journal of Low Power Electronics and Applications, 2013, 3, 174-193.	2.0	25
23	The first spectroscopic model for the S1 state multiline signal of the OEC. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 149-157.	1.0	22
24	Influence of Sn Migration on phase transition in GeTe and Ge2Se3 thin films. Applied Physics Letters, 2010, 96, .	3.3	20
25	Adaptive Quickest Estimation Algorithm for Smart Grid Network Topology Error. IEEE Systems Journal, 2014, 8, 430-440.	4.6	17
26	Pulse Shape and Timing Dependence on the Spike-Timing Dependent Plasticity Response of Ion-Conducting Memristors as Synapses. Frontiers in Bioengineering and Biotechnology, 2016, 4, 97.	4.1	17
27	W-2W Current Steering DAC for Programming Phase Change Memory. , 2009, , .		13
28	Investigation of inter-diffusion in bilayer GeTe/SnSe phase change memory films. Thin Solid Films, 2012, 520, 3931-3935.	1.8	9
29	Comparison of the Electrical Response of Cu and Ag Ion-Conducting SDC Memristors Over the Temperature Range 6 K to 300 K. Micromachines, 2019, 10, 663.	2.9	9
30	Demonstration of Three True Random Number Generator Circuits Using Memristor Created Entropy and Commercial Off-the-Shelf Components. Entropy, 2021, 23, 371.	2.2	9
31	Self-trapping of single and paired electrons in Ge2Se3. Journal of Physics Condensed Matter, 2012, 24, 195801.	1.8	8
32	An Optically Gated Transistor Composed of Amorphous M + Ge₂Se₃ (M = Cu or) Tj ETQq0 0 0 rgBT /Overlock 1, 96-104.	4.3	8
33	Progress in Characterization of the Photosystem II Oxygen Evolving Complex Using Advanced EPR Methods. ACS Symposium Series, 1998, , 272-285.	0.5	5
34	The Self-directed Channel Memristor: Operational Dependence on the Metal-Chalcogenide Layer. , 2019, , 815-842.		4
35	Analyzing residual stress in bilayer chalcogenide Ge2Se3/SnTe films. Thin Solid Films, 2009, 517, 6516-6519.	1.8	3
36	Characterization of Sn, Zn, In, and Sb-Containing GeSe Alloys for Phase-Change Electronic Memory Applications. Materials Research Society Symposia Proceedings, 2007, 997, 1.	0.1	2

#	Article	IF	Citations
37	Integration of IC Industry Feature Sizes with University Back-End-of-Line Post Processing: Example Using a Phase-Change Memory Test Chip. , 2009, , .		2
38	Reconfigurable Threshold Logic Gates using memristive devices. , 2012, , .		2
39	Energy-efficient STDP-based learning circuits with memristor synapses. Proceedings of SPIE, 2014, , .	0.8	2
40	First-principles study of⁷⁵As NQR in arsenic-chalcogenide compounds. Journal of Physics Condensed Matter, 2011, 23, 055502.	1.8	1
41	Density functional study of Ag in Ge₂Se₃. , 2009, , .		0
42	Memristor SPICE Model Simulation and Device Hardware Correlation. Advances in Information Security, 2014, , 169-174.	1.2	0