

# John R Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4994344/publications.pdf>

Version: 2024-02-01

22  
papers

7,195  
citations

516215

16  
h-index

713013

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

9317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Capacitors for Energy Management. <i>Science</i> , 2008, 321, 651-652.	6.0	4,116
2	Graphene Double-Layer Capacitor with ac Line-Filtering Performance. <i>Science</i> , 2010, 329, 1637-1639.	6.0	1,239
3	Electrochemical Capacitors: Challenges and Opportunities for Real-World Applications. <i>Electrochemical Society Interface</i> , 2008, 17, 53-57.	0.3	638
4	Valuing Reversible Energy Storage. <i>Science</i> , 2012, 335, 1312-1313.	6.0	166
5	Graphene electric double layer capacitor with ultra-high-power performance. <i>Electrochimica Acta</i> , 2011, 56, 10443-10449.	2.6	150
6	A high density of vertically-oriented graphenes for use in electric double layer capacitors. <i>Carbon</i> , 2012, 50, 5481-5488.	5.4	133
7	Fast Response, Vertically Oriented Graphene Nanosheet Electric Double Layer Capacitors Synthesized from C <sub>2</sub> H <sub>2</sub> . <i>ACS Nano</i> , 2014, 8, 5873-5882.	7.3	129
8	Engineering electrochemical capacitor applications. <i>Journal of Power Sources</i> , 2016, 326, 726-735.	4.0	109
9	Electrochemical capacitor thermal management issues at high-rate cycling. <i>Electrochimica Acta</i> , 2006, 52, 1703-1708.	2.6	108
10	Electric double layer capacitors for ac filtering made from vertically oriented graphene nanosheets on aluminum. <i>Carbon</i> , 2017, 111, 231-237.	5.4	64
11	Vertically-Oriented Graphene Electric Double Layer Capacitor Designs. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5077-A5082.	1.3	60
12	Perspective on electrochemical capacitor energy storage. <i>Applied Surface Science</i> , 2018, 460, 3-7.	3.1	50
13	Introduction to electrochemical capacitor technology. <i>IEEE Electrical Insulation Magazine</i> , 2010, 26, 40-47.	1.1	49
14	Investigation of defects generated in vertically oriented graphene. <i>Carbon</i> , 2013, 64, 92-100.	5.4	48
15	Solid-state electric double layer capacitors for ac line-filtering. <i>Energy Storage Materials</i> , 2016, 4, 66-70.	9.5	39
16	Materials for Electrochemical Capacitors. , 2017, , 495-561.		25
17	Fast Response, Carbon-Black-Coated, Vertically-Oriented Graphene Electric Double Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2018, 165, A924-A931.	1.3	25
18	Electrical characteristics of large state-of-the-art electrochemical capacitors. <i>Electrochimica Acta</i> , 2019, 307, 564-572.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Study of solid alkaline electrolyte under high temperatures and its application in electrochemical capacitors for AC line-filtering. Journal of Power Sources, 2019, 417, 145-149.	4.0	11
20	Value Quantification of Electrochemical Capacitor Active Material. Journal of the Electrochemical Society, 2017, 164, A2732-A2737.	1.3	6
21	Measurement of gas pressure in packaged electric double layer capacitors. Journal of Power Sources, 2021, 509, 230366.	4.0	4
22	Storage system design based on equivalent-circuit-model simulations: Comparison of eight different electrochemical capacitor storage systems. Journal of Power Sources, 2021, 491, 229441.	4.0	2