

# Jeffrey A Davis

## List of Publications by Year in descending order

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papers

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1937685

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1474206

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docs citations

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times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Permittivity Characterization of Heterogeneous Dielectric Bi-Layers. IEEE Transactions on Electron Devices, 2022, 69, 1950-1955.	3.0	1
2	Permittivity Characterization of Dielectric Surfaces Using Nanofabricated In-Plane Capacitors. IEEE Transactions on Electron Devices, 2021, 68, 4033-4038.	3.0	2
3	Breakdown Field Strength Variations and Energy Density Limits of Nanoparticle Composite Materials. IEEE Nanotechnology Magazine, 2020, 19, 811-819.	2.0	1
4	Energy Density Limits of Multiphase Composites With Dielectric Nanoparticles. IEEE Nanotechnology Magazine, 2018, 17, 250-260.	2.0	3
5	Impact of Microstructure on Dielectric Nanocomposites With High- <i>k</i> Interfacial Layers. IEEE Nanotechnology Magazine, 2015, 14, 717-725.	2.0	1
6	Fractal Electrode Formation in Metal-Insulator Composites Near the Percolation Threshold. IEEE Nanotechnology Magazine, 2013, 12, 725-733.	2.0	4
7	Optimal Voltage Scaling, Repeater Insertion, and Wire Sizing for Wave-Pipelined Global Interconnects. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1023-1030.	5.4	11
8	Design and Optimization of On-Chip Interconnects Using Wave-Pipelined Multiplexed Routing. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2007, 15, 990-1002.	3.1	15
9	Decreased Effectiveness of On-Chip Decoupling Capacitance in High-Frequency Operation. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2007, 15, 649-659.	3.1	9
10	Limits on Silicon Nanoelectronics for Terascale Integration. Science, 2001, 293, 2044-2049.	12.6	324