

# Robert J Lowndes

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

211  
citations

1163117

8  
h-index

1372567

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures and microwave dielectric properties of Ca(1-x)Nd <sub>2x/3</sub> TiO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2012, 32, 3791-3799.	5.7	46
2	Preparation by sol-gel and solid state reaction methods and properties investigation of double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . Journal of the European Ceramic Society, 2013, 33, 2483-2490.	5.7	38
3	A novel absorptive/reflective solar concentrator for heat and electricity generation: An optical and thermal analysis. Energy Conversion and Management, 2016, 114, 142-153.	9.2	23
4	Multiphysics Simulations of a Thermoelectric Generator. Energy Procedia, 2015, 75, 633-638.	1.8	21
5	The effects of pressure and temperature on partial discharge degradation of silicone conformal coatings. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2986-2994.	2.9	20
6	Probing structural changes in Ca(1-x)Nd <sub>2x/3</sub> TiO <sub>3</sub> ceramics by Raman spectroscopy. Journal of Applied Physics, 2013, 113, .	2.5	19
7	Degradation of conformal coatings on printed circuit boards due to partial discharge. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2232-2240.	2.9	14
8	Coupled Simulation of Performance of a Crossed Compound Parabolic Concentrator with Solar Cell. Energy Procedia, 2015, 75, 325-330.	1.8	10
9	Observations of breakdown through printed circuit board polymer coatings via a surface pollution layer. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2570-2578.	2.9	8
10	Thermal stresses of conformal coatings on printed circuit boards. , 2015, , .		6
11	Impact of thermal cycling on high voltage coils used in marine generators using FEA methods. , 2015, , .		3
12	Degradation of printed circuit board coatings due to partial discharge. , 2015, , .		2
13	Effects of Electrical Conductivity of Contamination on Tracking Formation in Aerospace Electrical Systems. Lecture Notes in Electrical Engineering, 2020, , 298-307.	0.4	1