

# Robert C Tenent

## List of Publications by Year in descending order

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32  
papers

2,638  
citations

304743

22  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Degradation at the Lithium-Ion Battery Cathode/Electrolyte Interface: Connecting Transition-Metal Dissolution Mechanisms to Electrolyte Composition. ACS Applied Materials & Interfaces, 2021, 13, 11930-11939.	8.0	31
2	Optical and Mechanical Properties of Nanocomposite Films Based on Polymethyl Methacrylate (PMMA) and Fumed Silica Nanoparticles. Polymer Engineering and Science, 2020, 60, 553-557.	3.1	8
3	Enhancing the Electrocatalysis of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ by Introducing Lithium Deficiency for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2020, 12, 10496-10502.	8.0	33
4	Cathode electrolyte diagnostics based on scanning probe microscopy. , 2020, , .		0
5	Spatial atomic layer deposition for coating flexible porous Li-ion battery electrodes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	20
6	Switchable photovoltaic windows enabled by reversible photothermal complex dissociation from methylammonium lead iodide. Nature Communications, 2017, 8, 1722.	12.8	107
7	Scalable synthesis of improved nanocrystalline, mesoporous tungsten oxide films with exceptional electrochromic performance. Solar Energy Materials and Solar Cells, 2015, 132, 6-14.	6.2	30
8	Direct synthesis of thermochromic $\text{VO}_2$ through hydrothermal reaction. Journal of Solid State Chemistry, 2014, 212, 237-241.	2.9	62
9	The influence of sol-gel processing on the electrochromic properties of mesoporous $\text{WO}_3$ films produced by ultrasonic spray deposition. Solar Energy Materials and Solar Cells, 2014, 121, 163-170.	6.2	41
10	Effect of interface modifications on voltage fade in $0.5\text{Li}_2\text{MnO}_3\text{-}0.5\text{LiNi}_0.375\text{Mn}_0.375\text{Co}_0.25\text{O}_2$ cathode materials. Journal of Power Sources, 2014, 249, 509-514.	7.8	89
11	Improved Durability of $\text{WO}_3$ Nanocomposite Films Using Atomic Layer and Vapor Deposited Coatings. ECS Electrochemistry Letters, 2012, 1, H24-H27.	1.9	19
12	Low-temperature ozone exposure technique to modulate the stoichiometry of $\text{WO}_x$ nanorods and optimize the electrochromic performance. Nanotechnology, 2012, 23, 255601.	2.6	33
13	Ultrasonic spray deposition of high performance $\text{WO}_3$ films using template-assisted sol-gel chemistry. Electrochemistry Communications, 2012, 25, 62-65.	4.7	22
14	Electrochromic films produced by ultrasonic spray deposition of tungsten oxide nanoparticles. Solar Energy Materials and Solar Cells, 2012, 99, 50-55.	6.2	52
15	High-Performance Hydrogen Production and Oxidation Electrodes with Hydrogenase Supported on Metallic Single-Wall Carbon Nanotube Networks. Journal of the American Chemical Society, 2011, 133, 4299-4306.	13.7	61
16	Homeotropic Alignment and Director Structures in Thin Films of Triphenylamine-Based Discotic Liquid Crystals Controlled by Supporting Nanostructured Substrates and Surface Confinement. Journal of Physical Chemistry B, 2011, 115, 609-617.	2.6	38
17	Photoinduced Energy and Charge Transfer in P3HT:SWNT Composites. Journal of Physical Chemistry Letters, 2010, 1, 2406-2411.	4.6	66
18	Carbon nanotube network electrodes enabling efficient organic solar cells without a hole transport layer. Applied Physics Letters, 2010, 96, .	3.3	118

#	ARTICLE	IF	CITATIONS
19	Controlling the Optical Properties of Plasmonic Disordered Nanohole Silver Films. ACS Nano, 2010, 4, 615-624.	14.6	49
20	Fast-Switching Electrochromic Li <sup>+</sup> -Doped NiO Films by Ultrasonic Spray Deposition. Journal of the Electrochemical Society, 2010, 157, H318.	2.9	61
21	Metal-oxide films for electrochromic applications: present technology and future directions. Journal of Materials Chemistry, 2010, 20, 9585.	6.7	339
22	Ultrasoother, Large Area, High Uniformity, Conductive Transparent Single-Walled Carbon Nanotube Films for Photovoltaics Produced by Ultrasonic Spraying. Advanced Materials, 2009, 21, 3210-3216.	21.0	398
23	Local electron transfer rate measurements on modified and unmodified glassy carbon electrodes. Journal of Solid State Electrochemistry, 2009, 13, 583-590.	2.5	21
24	Transparent Conductive Single-Walled Carbon Nanotube Networks with Precisely Tunable Ratios of Semiconducting and Metallic Nanotubes. ACS Nano, 2008, 2, 1266-1274.	14.6	297
25	Surface-plasmon enhanced transparent electrodes in organic photovoltaics. Applied Physics Letters, 2008, 92, 243304.	3.3	118
26	Optimizing carbon nanotube contacts for use in organic photovoltaics. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, . .	0.0	1
27	Multiple-bit storage properties of porphyrin monolayers on SiO <sub>2</sub> . Applied Physics Letters, 2004, 85, 1829-1831.	3.3	46
28	Characterization of Single- and Double-Stranded DNA on Gold Surfaces. Langmuir, 2004, 20, 11134-11140.	3.5	79
29	Electrical characterization of redox-active molecular monolayers on SiO <sub>2</sub> for memory applications. Applied Physics Letters, 2003, 83, 198-200.	3.3	59
30	Patterning and Imaging of Oxides on Glassy Carbon Electrode Surfaces by Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 2003, 150, E131.	2.9	18
31	Fabricating and Imaging Carbon-Fiber Immobilized Enzyme Ultramicroelectrodes with Scanning Electrochemical Microscopy.. Analytical Sciences, 2001, 17, 27-35.	1.6	20
32	Electronic and Optical Properties of Chemically Modified Metal Nanoparticles and Molecularly Bridged Nanoparticle Arrays. Journal of Physical Chemistry B, 2000, 104, 8925-8930.	2.6	302