

Robert C Tenent

List of Publications by Year in descending order

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32
papers

2,638
citations

304743

22
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434195

31
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docs citations

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times ranked

4403
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasmooth, Large Area, High Uniformity, Conductive Transparent Single-Walled Carbon Nanotube Films for Photovoltaics Produced by Ultrasonic Spraying. <i>Advanced Materials</i> , 2009, 21, 3210-3216.	21.0	398
2	Metal-oxide films for electrochromic applications: present technology and future directions. <i>Journal of Materials Chemistry</i> , 2010, 20, 9585.	6.7	339
3	Electronic and Optical Properties of Chemically Modified Metal Nanoparticles and Molecularly Bridged Nanoparticle Arrays. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8925-8930.	2.6	302
4	Transparent Conductive Single-Walled Carbon Nanotube Networks with Precisely Tunable Ratios of Semiconducting and Metallic Nanotubes. <i>ACS Nano</i> , 2008, 2, 1266-1274.	14.6	297
5	Surface-plasmon enhanced transparent electrodes in organic photovoltaics. <i>Applied Physics Letters</i> , 2008, 92, 243304.	3.3	118
6	Carbon nanotube network electrodes enabling efficient organic solar cells without a hole transport layer. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	118
7	Switchable photovoltaic windows enabled by reversible photothermal complex dissociation from methylammonium lead iodide. <i>Nature Communications</i> , 2017, 8, 1722.	12.8	107
8	Effect of interface modifications on voltage fade in 0.5Li ₂ MnO ₃ ·0.5LiNi _{0.375} Mn _{0.375} Co _{0.25} O ₂ cathode materials. <i>Journal of Power Sources</i> , 2014, 249, 509-514.	7.8	89
9	Characterization of Single- and Double-Stranded DNA on Gold Surfaces. <i>Langmuir</i> , 2004, 20, 11134-11140.	3.5	79
10	Photoinduced Energy and Charge Transfer in P3HT:SWNT Composites. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2406-2411.	4.6	66
11	Direct synthesis of thermochromic VO ₂ through hydrothermal reaction. <i>Journal of Solid State Chemistry</i> , 2014, 212, 237-241.	2.9	62
12	Fast-Switching Electrochromic Li ⁺ -Doped NiO Films by Ultrasonic Spray Deposition. <i>Journal of the Electrochemical Society</i> , 2010, 157, H318.	2.9	61
13	High-Performance Hydrogen Production and Oxidation Electrodes with Hydrogenase Supported on Metallic Single-Wall Carbon Nanotube Networks. <i>Journal of the American Chemical Society</i> , 2011, 133, 4299-4306.	13.7	61
14	Electrical characterization of redox-active molecular monolayers on SiO ₂ for memory applications. <i>Applied Physics Letters</i> , 2003, 83, 198-200.	3.3	59
15	Electrochromic films produced by ultrasonic spray deposition of tungsten oxide nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2012, 99, 50-55.	6.2	52
16	Controlling the Optical Properties of Plasmonic Disordered Nanohole Silver Films. <i>ACS Nano</i> , 2010, 4, 615-624.	14.6	49
17	Multiple-bit storage properties of porphyrin monolayers on SiO ₂ . <i>Applied Physics Letters</i> , 2004, 85, 1829-1831.	3.3	46
18	The influence of sol-gel processing on the electrochromic properties of mesoporous WO ₃ films produced by ultrasonic spray deposition. <i>Solar Energy Materials and Solar Cells</i> , 2014, 121, 163-170.	6.2	41

#	ARTICLE	IF	CITATIONS
19	Homeotropic Alignment and Director Structures in Thin Films of Triphenylamine-Based Discotic Liquid Crystals Controlled by Supporting Nanostructured Substrates and Surface Confinement. <i>Journal of Physical Chemistry B</i> , 2011, 115, 609-617.	2.6	38
20	Low-temperature ozone exposure technique to modulate the stoichiometry of WO ₃ nanorods and optimize the electrochromic performance. <i>Nanotechnology</i> , 2012, 23, 255601.	2.6	33
21	Enhancing the Electrocatalysis of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ by Introducing Lithium Deficiency for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10496-10502.	8.0	33
22	Understanding Degradation at the Lithium-Ion Battery Cathode/Electrolyte Interface: Connecting Transition-Metal Dissolution Mechanisms to Electrolyte Composition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11930-11939.	8.0	31
23	Scalable synthesis of improved nanocrystalline, mesoporous tungsten oxide films with exceptional electrochromic performance. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 6-14.	6.2	30
24	Ultrasonic spray deposition of high performance WO ₃ films using template-assisted sol-gel chemistry. <i>Electrochemistry Communications</i> , 2012, 25, 62-65.	4.7	22
25	Local electron transfer rate measurements on modified and unmodified glassy carbon electrodes. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 583-590.	2.5	21
26	Fabricating and Imaging Carbon-Fiber Immobilized Enzyme Ultramicroelectrodes with Scanning Electrochemical Microscopy. <i>Analytical Sciences</i> , 2001, 17, 27-35.	1.6	20
27	Spatial atomic layer deposition for coating flexible porous Li-ion battery electrodes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	20
28	Improved Durability of WO ₃ Nanocomposite Films Using Atomic Layer and Vapor Deposited Coatings. <i>ECS Electrochemistry Letters</i> , 2012, 1, H24-H27.	1.9	19
29	Patterning and Imaging of Oxides on Glassy Carbon Electrode Surfaces by Scanning Electrochemical Microscopy. <i>Journal of the Electrochemical Society</i> , 2003, 150, E131.	2.9	18
30	Optical and Mechanical Properties of Nanocomposite Films Based on Polymethyl Methacrylate (PMMA) and Fumed Silica Nanoparticles. <i>Polymer Engineering and Science</i> , 2020, 60, 553-557.	3.1	8
31	Optimizing carbon nanotube contacts for use in organic photovoltaics. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , 2008, , .	0.0	1
32	Cathode electrolyte diagnostics based on scanning probe microscopy. , 2020, , .		0