

# Thierry Djenizian

## List of Publications by Year in descending order

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42  
papers

2,082  
citations

279798

23  
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276875

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42  
all docs

42  
docs citations

42  
times ranked

2925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Self-Supported Metal Oxides for Advanced Energy Storage. <i>Advanced Materials</i> , 2014, 26, 3368-3397.	21.0	446
2	Alternative Li-Ion Battery Electrode Based on Self-Organized Titania Nanotubes. <i>Chemistry of Materials</i> , 2009, 21, 63-67.	6.7	320
3	TiO <sub>2</sub> nanotubes manufactured by anodization of Ti thin films for on-chip Li-ion 2D microbatteries. <i>Electrochimica Acta</i> , 2009, 54, 4262-4268.	5.2	137
4	Nanostructured negative electrodes based on titania for Li-ion microbatteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 9925.	6.7	103
5	A novel architected negative electrode based on titania nanotube and iron oxide nanowire composites for Li-ion microbatteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 4041.	6.7	88
6	Porous Silicon Nanotube Arrays as Anode Material for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20495-20498.	8.0	86
7	ALD Al <sub>2</sub> O <sub>3</sub> -Coated TiO <sub>2</sub> Nanotube Layers as Anodes for Lithium-Ion Batteries. <i>ACS Omega</i> , 2017, 2, 2749-2756.	3.5	60
8	Electronic Circuits Integration in Textiles for Data Processing in Wearable Technologies. <i>Advanced Materials Technologies</i> , 2018, 3, 1700320.	5.8	57
9	Electropolymerization of copolymer electrolyte into titania nanotube electrodes for high-performance 3D microbatteries. <i>Electrochemistry Communications</i> , 2011, 13, 894-897.	4.7	52
10	The electrochemical behaviour of TiO <sub>2</sub> nanotubes with Co <sub>3</sub> O <sub>4</sub> or NiO submicron particles: Composite anode materials for Li-ion micro batteries. <i>Electrochimica Acta</i> , 2013, 88, 814-820.	5.2	50
11	High energy and power density TiO <sub>2</sub> nanotube electrodes for single and complete lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 273, 1182-1188.	7.8	45
12	All-solid-state lithium-ion batteries based on self-supported titania nanotubes. <i>Electrochemistry Communications</i> , 2014, 43, 121-124.	4.7	43
13	Flexible Micro-Battery for Powering Smart Contact Lens. <i>Sensors</i> , 2019, 19, 2062.	3.8	41
14	Optical and Electrochemical Properties of Self-Organized TiO <sub>2</sub> Nanotube Arrays From Anodized Ti-6Al-4V Alloy. <i>Frontiers in Chemistry</i> , 2019, 7, 66.	3.6	39
15	Electrochemical fabrication of Sn nanowires on titania nanotube guide layers. <i>Nanotechnology</i> , 2008, 19, 205601.	2.6	38
16	Electrodeposition of polymer electrolyte in nanostructured electrodes for enhanced electrochemical performance of thin-film Li-ion microbatteries. <i>Journal of Power Sources</i> , 2017, 340, 242-246.	7.8	34
17	High performance stretchable Li-ion microbattery. <i>Energy Storage Materials</i> , 2020, 33, 108-115.	18.0	34
18	Sulfidated TiO <sub>2</sub> nanotubes: A potential 3D cathode material for Li-ion micro batteries. <i>Chemical Communications</i> , 2013, 49, 4205-4207.	4.1	33

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19	Niobium Alloying of Self-Organized TiO <sub>2</sub> Nanotubes as an Anode for Lithium-Ion Microbatteries. <i>Advanced Materials Technologies</i> , 2018, 3, 1700274.	5.8	33
20	Beyond flexible-Li-ion battery systems for soft electronics. <i>Energy Storage Materials</i> , 2021, 42, 773-785.	18.0	33
21	Highly conformal electrodeposition of copolymer electrolytes into titania nanotubes for 3D Li-ion batteries. <i>Nanoscale Research Letters</i> , 2012, 7, 349.	5.7	32
22	Anodized Ti <sub>3</sub> SiC <sub>2</sub> As an Anode Material for Li-ion Microbatteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16670-16676.	8.0	32
23	Flexible and Stretchable Microbatteries for Wearable Technologies. <i>Advanced Materials Technologies</i> , 2020, 5, .	5.8	30
24	Direct Pre-lithiation of Electropolymerized Carbon Nanotubes for Enhanced Cycling Performance of Flexible Li-Ion Micro-Batteries. <i>Polymers</i> , 2020, 12, 406.	4.5	28
25	ALD growth of MoS <sub>2</sub> nanosheets on TiO <sub>2</sub> nanotube supports. <i>FlatChem</i> , 2019, 17, 100130.	5.6	22
26	Enhanced Electrochemical Performance of Electropolymerized Self-Organized TiO <sub>2</sub> Nanotubes Fabricated by Anodization of Ti Grid. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	20
27	The Electrochemical Behavior of SnSb as an Anode for Li-ion Batteries Studied by Electrochemical Impedance Spectroscopy and Electron Microscopy. <i>Electrochimica Acta</i> , 2017, 256, 155-161.	5.2	17
28	Electrodeposited copolymer electrolyte into nanostructured titania electrodes for 3D Li-ion microbatteries. <i>Comptes Rendus Chimie</i> , 2013, 16, 80-88.	0.5	15
29	Tailoring the morphological properties of anodized Ti <sub>3</sub> SiC <sub>2</sub> for better power density of Li-ion microbatteries. <i>Electrochemistry Communications</i> , 2017, 81, 29-33.	4.7	15
30	Electrodeposition of Polymer Electrolyte Into Porous LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> for High Performance All-Solid-State Microbatteries. <i>Frontiers in Chemistry</i> , 2019, 6, 675.	3.6	12
31	Determination of optical parameters of the porcine eye and development of a simulated model. <i>Journal of Biophotonics</i> , 2019, 12, e201800398.	2.3	10
32	Self-supported sulphurized TiO <sub>2</sub> nanotube layers as positive electrodes for lithium microbatteries. <i>Applied Materials Today</i> , 2019, 16, 257-264.	4.3	10
33	Electrodeposition of polymer electrolyte into carbon nanotube tissues for high performance flexible Li-ion microbatteries. <i>APL Materials</i> , 2019, 7, .	5.1	10
34	All-Solid-State Lithium Ion Batteries Using Self-Organized TiO <sub>2</sub> Nanotubes Grown from Ti-6Al-4V Alloy. <i>Molecules</i> , 2020, 25, 2121.	3.8	10
35	TiO <sub>2</sub> Nanotube Layers Decorated with Al <sub>2</sub> O <sub>3</sub> /MoS <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> as Anode for Li-ion Microbatteries with Enhanced Cycling Stability. <i>Nanomaterials</i> , 2020, 10, 953.	4.1	9
36	Biomimetic models of the human eye, and their applications. <i>Nanotechnology</i> , 2021, 32, 302001.	2.6	9

#	ARTICLE	IF	CITATIONS
37	TiO <sub>2</sub> nanotube layers decorated by titania nanoparticles as anodes for Li-ion microbatteries. <i>Materials Chemistry and Physics</i> , 2022, 276, 125337.	4.0	9
38	Superior Electrochemical Performance of Thin-Film Thermoplastic Elastomer-Coated SnSb as an Anode for Li-ion Batteries. <i>Scientific Reports</i> , 2019, 9, 4301.	3.3	8
39	Sputter-Deposited Amorphous LiCuPO <sub>4</sub> Thin Film as Cathode Material for Li-ion Microbatteries. <i>ChemistrySelect</i> , 2018, 3, 405-409.	1.5	6
40	Changes in temperature inside an optomechanical model of the human eye during emulated transscleral cyclophotocoagulation. <i>Biomedical Optics Express</i> , 2020, 11, 4548.	2.9	5
41	Editorial: Advances in Porous Semiconductor Research. <i>Frontiers in Chemistry</i> , 2020, 8, 122.	3.6	1
42	Enhancing Electrochemical Performance of Stretchable/Flexible Li-ion Microbatteries by Tuning Microstructured Electrode Dimensions. <i>Advanced Materials Interfaces</i> , 0, , 2102541.	3.7	0