

Jonathan Phillips

List of Publications by Year in descending order

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papers

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430874

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46
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46
docs citations

46
times ranked

722
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Impact of Graphite Orientation and Ion Transport on EDLC Performance. <i>Materials</i> , 2022, 15, 155.	2.9	0
2	Creating Strong Titanium/Titanium Hydride Brown Bodies at Ambient Pressure and Moderate Temperatures. <i>Materials</i> , 2020, 13, 5008.	2.9	0
3	Enhancement of electrical conductivity of carbon nanotube sheets through copper addition using reduction expansion synthesis. <i>Materials Research Bulletin</i> , 2020, 131, 110969.	5.2	44
4	Impact of Current and Temperature on Extremely Low Loading Epoxy-CNT Conductive Composites. <i>Polymers</i> , 2020, 12, 867.	4.5	7
5	Theoretical and experimental basis for the super dielectric model of dielectric materials. <i>Physics Essays</i> , 2020, 33, 306-318.	0.4	1
6	Understanding Dielectrics: Impact of External Salt Water Bath. <i>Materials</i> , 2019, 12, 2033.	2.9	3
7	Reduction Expansion Synthesis of Sintered Metal. <i>Materials</i> , 2019, 12, 2890.	2.9	3
8	Electrically Conductive CNT Composites at Loadings below Theoretical Percolation Values. <i>Nanomaterials</i> , 2019, 9, 491.	4.1	23
9	High-stability tin/carbon battery electrodes produced using reduction expansion synthesis. <i>Carbon</i> , 2018, 132, 411-419.	10.3	18
10	Toward an Improved Understanding of the Role of Dielectrics in Capacitors. <i>Materials</i> , 2018, 11, 1519.	2.9	6
11	Performance of Aqueous Ion Solution/Tube-Super Dielectric Material-Based Capacitors as a Function of Discharge Time. , 2018, , .		0
12	Novel Chemical Process for Producing Chrome Coated Metal. <i>Materials</i> , 2018, 11, 78.	2.9	5
13	Investigation of Fumed Silica/Aqueous NaCl Superdielectric Material. <i>Materials</i> , 2016, 9, 118.	2.9	9
14	Novel Superdielectric Materials: Aqueous Salt Solution Saturated Fabric. <i>Materials</i> , 2016, 9, 918.	2.9	9
15	Scaling up the Fabrication of Mechanically-Robust Carbon Nanofiber Foams. <i>Fibers</i> , 2016, 4, 9.	4.0	0
16	Testing the Tube Super-Dielectric Material Hypothesis: Increased Energy Density Using NaCl. <i>Journal of Electronic Materials</i> , 2016, 45, 5499-5506.	2.2	7
17	Tube-Super Dielectric Materials: Electrostatic Capacitors with Energy Density Greater than $200 \text{ J}\cdot\text{cm}^{-3}$. <i>Materials</i> , 2015, 8, 6208-6227.	2.9	15
18	Iron on Carbon Catalaysts for the Photocatalytic Degradation Orange II. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	0

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19	Novel Materials with Effective Super Dielectric Constants for Energy Storage. Journal of Electronic Materials, 2015, 44, 1367-1376.	2.2	10
20	Evidence of High Electrocatalytic Activity of Molybdenum Carbide Supported Platinum Nanorrafts. Journal of the Electrochemical Society, 2015, 162, H681-H685.	2.9	32
21	Super Dielectric Materials. Materials, 2014, 7, 8197-8212.	2.9	25
22	Fabrication of a Low Density Carbon Fiber Foam and Its Characterization as a Strain Gauge. Materials, 2014, 7, 3699-3714.	2.9	10
23	Hybrid Composites Based on Carbon Fiber/Carbon Nanofilament Reinforcement. Materials, 2014, 7, 4182-4195.	2.9	22
24	Novel Process for Solid State Reduction of Metal Oxides and Hydroxides. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2013, 44, 115-122.	2.1	10
25	Reductive/expansion synthesis of zero valent submicron and nanometal particles. Journal of Materials Research, 2011, 26, 672-681.	2.6	14
26	Modeling hydrogen spillover in dual-bed catalytic reactors. AIChE Journal, 2004, 50, 821-828.	3.6	13
27	Novel Dual-Bed Reactors: Utilization of Hydrogen Spillover in Reactor Design. Langmuir, 2004, 20, 1189-1193.	3.5	9
28	Low power plasma torch method for the production of crystalline spherical ceramic particles. Journal of Materials Research, 2001, 16, 1256-1265.	2.6	11
29	Microcalorimetric Study of the Influence of Surface Chemistry on the Adsorption of Water by High Surface Area Carbons. Journal of Physical Chemistry B, 2000, 104, 8170-8176.	2.6	34
30	Impact of Pretreatments on the Selectivity of Carbon for NO _x Adsorption/Reduction. Energy & Fuels, 1999, 13, 903-906.	5.1	26
31	Catalytic Synergism in Physical Mixtures of Supported Iron-Cerium and Supported Noble Metal for Hydroisomerization of 1,3-Butadiene. Langmuir, 1997, 13, 477-482.	3.5	10
32	On the Modification and Characterization of Chemical Surface Properties of Activated Carbon: Microcalorimetric, Electrochemical, and Thermal Desorption Probes. Langmuir, 1997, 13, 3414-3421.	3.5	96
33	Low-Temperature Generation of Basic Carbon Surfaces by Hydrogen Spillover. The Journal of Physical Chemistry, 1996, 100, 17243-17248.	2.9	70
34	Catalytic Synergism in Physical Mixtures. Langmuir, 1996, 12, 2756-2761.	3.5	13
35	Measurement and modeling of N-atom behavior in the afterglow of a microwave plasma. AIChE Journal, 1996, 42, 1361-1370.	3.6	8
36	Transport model of charged particle behavior in the afterglow region of a microwave generated oxygen plasma. Journal of Applied Physics, 1993, 74, 825-831.	2.5	25

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37	Plasma production of metallic nanoparticles. <i>Journal of Materials Research</i> , 1992, 7, 2107-2113.	2.6	47
38	Detailed model of the afterglow region of a microwave generated oxygen plasma. <i>Journal of Applied Physics</i> , 1992, 72, 870-878.	2.5	19
39	Detailed Model of the Afterglow Region of a Microwave Generated Oxygen Plasma. <i>Materials Research Society Symposia Proceedings</i> , 1992, 268, 49.	0.1	0
40	Tin foil reconstruction in a hydrogen plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1990, 8, 3941-3947.	2.1	5
41	Catalytic etching of platinum foils and thin films in hydrogen-oxygen mixtures. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5731-5738.	2.9	33
42	Reaction-enhanced sintering of platinum thin films during ethylene oxidation. <i>Journal of Applied Physics</i> , 1986, 59, 769-779.	2.5	36
43	Catalytic etching of platinum during ethylene oxidation. <i>The Journal of Physical Chemistry</i> , 1985, 89, 591-600.	2.9	30
44	New microcalorimeter for the measurement of differential heats of adsorption of gases on high surface area solids. <i>Review of Scientific Instruments</i> , 1985, 56, 2312-2318.	1.3	25
45	Study of relaxation effects in the ^{57}Fe Mössbauer spectra of carbon-supported iron carbide particles. <i>Journal of Applied Physics</i> , 1985, 58, 1943-1949.	2.5	30