Di Wei

List of Publications by Year
in descending order

62	5,942	109321	123424
papers	citations	35 h-index	61 g-index

64	64	64	10166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-flexible and foldable gel polymer lithiumâ€“ion batteries enabling scalable production. Materials Today Energy, 2022, 23, 100889.	4.7	9
2	A moisture-enabled fully printable power source inspired by electric eels. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
3	Wide linear range and highly sensitive flexible pressure sensor based on multistage sensing process for health monitoring and human-machine interfaces. Chemical Engineering Journal, 2021, 412, 128649.	12.7	125
4	Screen-printable and flexible in-plane micro-supercapacitors with fractal electrode design. Flexible and Printed Electronics, 2021, 6, 025008.	2.7	7
5	Fibrous gel polymer electrolyte for an ultrastable and highly safe flexible lithiumâ€ion battery in a wide temperature range. , 2021, 3, 916-928.		22
6	A Bioinspired, Durable, and Nondisposable Transparent Graphene Skin Electrode for Electrophysiological Signal Detection. , 2020, 2, 999-1007.		44
7	Tunable wideband slot antennas based on printable graphene inks. Nanoscale, 2020, 12, 10949-10955.	5.6	6
8	Two-dimensional organicâ€“inorganic hybrid Ruddlesdenâ€“Popper perovskite materials: preparation, enhanced stability, and applications in photodetection. Sustainable Energy and Fuels, 2020, 4, 2087-2113.	4.9	36
9	Utilization of Synergistic Effect of Dimensionâ€Differentiated Hierarchical Nanomaterials for Transparent and Flexible Wireless Communicational Elements. Advanced Materials Technologies, 2020, 5, 1901057.	5.8	4
10	Bimetal-organic framework derived Cu(NiCo)2S4/Ni3S4 electrode material with hierarchical hollow heterostructure for high performance energy storage. Journal of Colloid and Interface Science, 2020, 565, 295-304.	9.4	49
11	A three-dimensional and porous bi-nanospheres electrocatalytic system constructed by in situ generation of Ru nanoclusters inside and outside polydopamine nanoparticles for highly efficient hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 6592-6603.	7.1	20
12	Highlyâ€Safe and Ultraâ€Stable Allâ€Flexible Gel Polymer Lithium Ion Batteries Aiming for Scalable Applications. Advanced Energy Materials, 2020, 10, 1904281.	19.5	48
13	Micro-nano hybrid-structured conductive film with ultrawide range pressure-sensitivity and bioelectrical acquirability for ubiquitous wearable applications. Applied Materials Today, 2020, 20, 100651.	4.3	8
14	Multilayer NiMn layered double hydroxide nanosheets covered porous Co3O4 nanowire arrays with hierarchical structure for high-performance supercapacitors. Journal of Power Sources, 2019, 440, 227123.	7.8	76
15	Carbonâ€Nanomaterialâ€Based Flexible Batteries for Wearable Electronics. Advanced Materials, 2019, 31, e1800716.	21.0	228
16	Transfer-Medium-Free Nanofiber-Reinforced Graphene Film and Applications in Wearable Transparent Pressure Sensors. ACS Nano, 2019, 13, 5541-5548.	14.6	96
17	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. Chemical Engineering Journal, 2019, 371, 461-469.	12.7	239
18	Post-imprinting modification based on multilevel mesoporous silica for highly sensitive molecularly imprinted fluorescent sensors. Analyst, The, 2019, 144, 6283-6290.	3.5	14

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19	Ultrahighâ€Energy Density Lithiumâ€Ion Cable Battery Based on the Carbonâ€Nanotube Woven Macrofilms. Small, 2018, 14, e1800414.	10.0	65
20	Wearable energy sources based on 2D materials. Chemical Society Reviews, 2018, 47, 3152-3188.	38.1	226
21	Lowâ€Temperature and Rapid Growth of Large Singleâ€Crystalline Graphene with Ethane. Small, 2018, 14, 1702916.	10.0	39
22	Solar thermal-driven capacitance enhancement of supercapacitors. Energy and Environmental Science, 2018, 11, 2016-2024.	30.8	85
23	Critical Insight into the Relentless Progression Toward Graphene and Grapheneâ€Containing Materials for Lithiumâ€Ion Battery Anodes. Advanced Materials, 2017, 29, 1603421.	21.0	132
24	Brodie vs Hummers graphite oxides for preparation of multi-layered materials. Carbon, 2017, 115, 430-440.	10.3	104
25	Hierarchical Graphene Foam for Efficient Omnidirectional Solarâ€“Thermal Energy Conversion. Advanced Materials, 2017, 29, 1702590.	21.0	675
26	Writable electrochemical energy source based on graphene oxide. Scientific Reports, 2015, 5, 15173.	3.3	17
27	Visualization of energy: light dose indicator based on electrochromic gyroid nano-materials. Nanotechnology, 2015, 26, 225501.	2.6	4
28	Electrochemically exfoliated graphene oxide/iron oxide composite foams for lithium storage, produced by simultaneous graphene reduction and Fe(OH)3 condensation. Carbon, 2015, 84, 254-262.	10.3	38
29	Graphene nanoarchitecture in batteries. Nanoscale, 2014, 6, 9536-9540.	5.6	27
30	Graphene for energy solutions and its industrialization. Nanoscale, 2013, 5, 10108.	5.6	86
31	Ultrafast Graphene Oxide Humidity Sensors. ACS Nano, 2013, 7, 11166-11173.	14.6	762
32	Photoelectrochemical Properties of Graphene and Its Derivatives. Nanomaterials, 2013, 3, 325-356.	4.1	104
33	Ultrathin rechargeable all-solid-state batteries based on monolayer graphene. Journal of Materials Chemistry A, 2013, 1, 3177.	10.3	60
34	Hierarchically structured nanocarbon electrodes for flexible solid lithium batteries. Nano Energy, 2013, 2, 1054-1062.	16.0	14
35	Graphene from electrochemical exfoliation and its direct applications in enhanced energy storage devices. Chemical Communications, 2012, 48, 1239-1241.	4.1	131
36	A Nanostructured Electrochromic Supercapacitor. Nano Letters, 2012, 12, 1857-1862.	9.1	357

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37	Graphene for energy harvesting/storage devices and printed electronics. Particuology, 2012, 10, 1-8.	3.6	113
38	All-Solid-State Textile Batteries Made from Nano-Emulsion Conducting Polymer Inks for Wearable Electronics. Nanomaterials, 2012, 2, 268-274.	4.1	19
39	Enhanced supercapacitors from hierarchical carbon nanotube and nanohorn architectures. Journal of Materials Chemistry, 2011, 21, 17810.	6.7	57
40	Properties of graphene inks stabilized by different functional groups. Nanotechnology, 2011, 22, 245702.	2.6	37
41	Flexible solid state lithium batteries based on graphene inks. Journal of Materials Chemistry, 2011, 21, 9762.	6.7	52
42	Dye Sensitized Solar Cells. International Journal of Molecular Sciences, 2010, 11, 1103-1113.	4.1	207
43	Electrochemical photovoltaic cellsâ€"review of recent developments. Journal of Chemical Technology and Biotechnology, 2010, 85, 1547-1552.	3.2	16
44	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. Nanotechnology, 2010, 21, 435702.	2.6	14
45	Transparent, flexible and solid-state supercapacitors based on room temperature ionic liquid gel. Electrochemistry Communications, 2009, 11, 2285-2287.	4.7	80
46	Application of novel room temperature ionic liquids in flexible supercapacitors. Electrochemistry Communications, 2009, 11, 1996-1999.	4.7	72
47	Electrochemical biosensors at the nanoscale. Lab on A Chip, 2009, 9, 2123.	6.0	134
48	Applications of ionic liquids in electrochemical sensors. Analytica Chimica Acta, 2008, 607, 126-135.	5.4	650
49	ZnO Nanowire and $hbox{WS}_{2}$ Nanotube Electronics. IEEE Transactions on Electron Devices, 2008, 55, 2988-3000.	3.0	35
50	A solid-state dye-sensitized solar cell based on a novel ionic liquid gel and ZnO nanoparticles on a flexible polymer substrate. Nanotechnology, 2008, 19, 424006.	2.6	68
51	Electrochemical fabrication of a nonvolatile memory device based on polyaniline and gold particles. Journal of Materials Chemistry, 2008, 18, 1853.	6.7	42
52	Transformation of Unipolar Single-Walled Carbon Nanotube Field Effect Transistors to Ambipolar Induced by Polystyrene Nanosphere Assembly. ACS Nano, 2008, 2, 2526-2530.	14.6	13
53	Photoelectrochemical cell using dye sensitized zinc oxide nanowires grown on carbon fibers. Applied Physics Letters, 2008, 93, .	3.3	76
54	Ï€-Dimer of an Aniline Dimer:â€‰ An ESRâ^'UVâ^'Vis Spectroelectrochemical Study. Journal of Physical Chemistry B, 2007, 111, 12395-12398.	2.6	21

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55	Charge Carrier Transport and Optical Properties of Poly[N-methyl(aniline)]. Journal of Physical Chemistry C, 2007, 111, 16571-16576.	3.1	12
56	Electrochemical functionalization of single walled carbon nanotubes with polyaniline in ionic liquids. Electrochemistry Communications, 2007, 9, 206-210.	4.7	73
57	In situ conductance and in situ ATR-FTIR study of poly(N-methylaniline) in aqueous solution. Journal of Electroanalytical Chemistry, 2007, 602, 203-209.	3.8	20
58	Surface modified high rectification organic diode based on sulfonated poly(aniline). Journal of Materials Chemistry, 2006, 16, 3014-3020.	6.7	9
59	Electropolymerization mechanism of N-methylaniline. Synthetic Metals, 2006, 156, 541-548.	3.9	25
60	Polyaniline nanotubules obtained in room-temperature ionic liquids. Electrochemistry Communications, 2006, 8, 1563-1566.	4.7	56
61	Study on charge transfer reactions at multilayers of polyoxometalates clusters and poly(allylamine) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	20
62	Electrosynthesis and characterisation of poly(N-methylaniline) in organic solvents. Journal of Electroanalytical Chemistry, 2005, 575, 19-26.	3.8	28