Surawut Chuangchote

List of Publications by Year
in descending order

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		304602	289141
64	1,720	22	40
papers	citations	h-index	g-index

65	65	65	2565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of various ratios of poly(3-hexylthiophene) with polyvinyl alcohol gel-polymer electrolytes in flexible sodium-ion batteries using Samanea saman tree-leaf-derived carbon quantum dots decorated with SnO2 and NaVO3. Clean Energy, 2022, 6, 991-1002.	1.5	2
2	Titanium Dioxide and its Modified Forms as Photocatalysts for Air Treatment. Current Analytical Chemistry, 2021, 17, 185-201.	0.6	12
3	Photoelectrochemical reduction rate of ferricyanide at different TiO2 forms: comparison of SECM and cyclic voltammetric results. Journal of Solid State Electrochemistry, 2021, 25, 1691-1698.	1.2	1
4	Biomassâ€derived Carbon Quantum Dots â€“ A Review. Part 2: Application in Batteries. ChemBioEng Reviews, 2021, 8, 302-325.	2.6	13
5	Biomassâ€derived Carbon Quantum Dots â€“ A Review. Part 1: Preparation and Characterization. ChemBioEng Reviews, 2021, 8, 265-301.	2.6	13
6	Flexible sodium-ion batteries using electrodes from Samanea saman tree leaf-derived carbon quantum dots decorated with SnO2 and NaVO3. Clean Energy, 2021, 5, 354-374.	1.5	11
7	Photocatalytic Hydrogen Production from Urine Using Sr-Doped TiO2 Photocatalyst with Subsequent Phosphorus Recovery via Struvite Crystallization. Catalysts, 2021, 11, 1012.	1.6	0
8	Carbon Electrodes in Perovskite Photovoltaics. Materials, 2021, 14, 5989.	1.3	13
9	Photocatalytic Remediation of Organic Pollutants in Water. Environmental Chemistry for A Sustainable World, 2021, , 1-51.	0.3	1
10	Synergistic effects of zirconium and silver co-dopants in TiO2 nanoparticles for photocatalytic degradation of an organic dye and antibacterial activity. Journal of the Australian Ceramic Society, 2020, 56, 579-590.	1.1	17
11	Synergistic Effects of Co-Doping on Photocatalytic Activity of Titanium Dioxide on Glucose Conversion to Value-Added Chemicals. ACS Omega, 2020, 5, 20373-20381.	1.6	18
12	Enhanced Photocatalytic Degradation of Caffeine Using Titanium Dioxide Photocatalyst Immobilized on Circular Glass Sheets under Ultraviolet C Irradiation. Catalysts, 2020, 10, 964.	1.6	14
13	Corrosion growth of solar cells in modules after 15Âyears of operation. Solar Energy, 2020, 205, 409-431.	2.9	20
14	Electrospun Ag-TiO₂ Nanofibers for Photocatalytic Glucose Conversion to High-Value Chemicals. ACS Omega, 2020, 5, 5862-5872.	1.6	33
15	Polypropylene/ZnO Nanocomposites: Mechanical Properties, Photocatalytic Dye Degradation, and Antibacterial Property. Materials, 2020, 13, 914.	1.3	30
16	Enhancement of Photocatalytic Oxidation of Glucose to Value-Added Chemicals on TiO2 Photocatalysts by A Zeolite (Type Y) Support and Metal Loading. Catalysts, 2020, 10, 423.	1.6	22
17	Quantum dot-modified titanium dioxide nanoparticles as an energy-band tunable electron-transporting layer for open air-fabricated planar perovskite solar cells. Nanomaterials and Nanotechnology, 2020, 10, 184798042096163.	1.2	10
18	Color removal from wastewater by photocatalytic process using titanium dioxide-coated glass, ceramic tile, and stainless steel sheets. Journal of Cleaner Production, 2019, 215, 123-130.	4.6	62

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19	Hybrid solar cells composed of perovskite and polymer photovoltaic structures. Solid-State Electronics, 2018, 144, 7-12.	0.8	3
20	TiO₂/Lignin-Based Carbon Composited Photocatalysts for Enhanced Photocatalytic Conversion of Lignin to High Value Chemicals. ACS Sustainable Chemistry and Engineering, 2018, 6, 13968-13976.	3.2	104
21	Influence of the viscosity ratio of polyacrylonitrile/poly(methyl methacrylate) solutions on coreâ€“shell fibers prepared by coaxial electrospinning. Polymer Journal, 2017, 49, 497-502.	1.3	29
22	Xylitol and gluconic acid productions via photocatalytic-glucose conversion using TiO 2 fabricated by surfactant-assisted techniques: Effects of structural and textural properties. Materials Chemistry and Physics, 2017, 196, 29-36.	2.0	27
23	CTAB-assisted sol-microwave method for fast synthesis of mesoporous TiO2 photocatalysts for photocatalytic conversion of glucose to value-added sugars. Materials Research Bulletin, 2017, 95, 546-555.	2.7	46
24	Effects of dust accumulation and module cleaning on performance ratio of solar rooftop system and solar power plants. Japanese Journal of Applied Physics, 2017, 56, 08ME02.	0.8	20
25	PEDOT:PSS Nanofilms Fabricated by a Nonconventional Coating Method for Uses as Transparent Conducting Electrodes in Flexible Electrochromic Devices. Journal of Nanomaterials, 2017, 2017, 1-8.	1.5	12
26	Control of physical properties of carbon nanofibers obtained from coaxial electrospinning of PMMA and PAN with adjustable inner/outer nozzle-ends. Nanoscale Research Letters, 2016, 11, 186.	3.1	50
27	Photocatalytic performance of electrospun CNT/TiO2 nanofibers in a simulated air purifier under visible light irradiation. Environmental Science and Pollution Research, 2016, 23, 21395-21406.	2.7	43
28	TiO₂ nanorods and semi-nanotubes prepared from anodic aluminum oxide template and their applications as photoelectrodes in dye-sensitized solar cells. Journal of the Ceramic Society of Japan, 2015, 123, 428-432.	0.5	3
29	Photocatalytic Improvement under Visible Light in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mrow><mml:mtext>2</mml:mtext></mml:mrow></mml:msub></mml:mrow></mml:math> by Carbon Nanotube Incorporation. Journal of Nanomaterials, 2015, 2015, 1-10.	1.5	28
30	Effect of magnesium dose on amount of pharmaceuticals in struvite recovered from urine. Water Science and Technology, 2015, 72, 1102-1110.	1.2	15
31	Synthesis of Graft Copolymers and Their Preliminary Use as a Compatibilizer in Polymer Solar Cells. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 302-309.	1.8	3
32	Phosphorus recovery: minimization of amount of pharmaceuticals and improvement of purity in struvite recovered from hydrolysed urine. Environmental Technology (United Kingdom), 2014, 35, 3011-3019.	1.2	22
33	Application of Electrospun Nanofibers in Organic Photovoltaics. Nanostructure Science and Technology, 2014, , 141-162.	0.1	0
34	Fullerene Functionalized Polystyrene: Synthesis, Characterizations, and Application in Bulk Heterojunction Polymer Solar Cells. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 33-40.	1.8	6
35	Electrospun SrTiO₃ nanofibers for photocatalytic hydrogen generation. Journal of Materials Research, 2014, 29, 123-130.	1.2	19
36	Polypyrrole-coated electrospun poly(lactic acid) fibrous scaffold: effects of coating on electrical conductivity and neural cell growth. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1240-1252.	1.9	57

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37	Electron-Acceptor Nanomaterials Fabricated by Electrospinning for Polymer Solar Cells. Energy Procedia, 2013, 34, 848-853.	1.8	1
38	Fabrication of Strontium Titanate Nanofibers via Electrospinning. Green Energy and Technology, 2013, , 141-147.	0.4	0
39	Fabrication of SrTiO3 Nanofibers for Hydrogen Production. Materials Research Society Symposia Proceedings, 2012, 1408, 73.	0.1	3
40	Highly Oriented Donor-Acceptor Molecules within Electrospun Nanofibers. Molecular Crystals and Liquid Crystals, 2011, 539, 40/[380]-44/[384].	0.4	0
41	Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications. Japanese Journal of Applied Physics, 2011, 50, 01BJ16.	0.8	11
42	Electrospun TiO2 Nanofibers for Organic-Inorganic Hybrid Photovoltaic Cells. Materials Research Society Symposia Proceedings, 2011, 1359, 127.	0.1	1
43	Electrospun TiO2 nanowires for hybrid photovoltaic cells. Journal of Materials Research, 2011, 26, 2316-2321.	1.2	10
44	Indium Tin Oxide Nanofibers and their Applications for Dye-Sensitized Solar Cells. ECS Transactions, 2011, 41, 223-229.	0.3	3
45	Electrospun Polythiophene Nanofibers and Their Applications for Organic Solar Cells. Materials Research Society Symposia Proceedings, 2011, 1303, 69.	0.1	3
46	Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications. Japanese Journal of Applied Physics, 2011, 50, 01BJ16.	0.8	1
47	Improvement of Power Conversion Efficiency in Organic Photovoltaics by Slow Cooling in Annealing Treatment. Applied Physics Express, 2010, 3, 122302.	1.1	11
48	Fabrication and Characterizations of Poly(3-hexylthiophene) Nanofibers. Materials Research Society Symposia Proceedings, 2010, 1270, 1.	0.1	3
49	Poly(3-hexylthiophene) Nanofibers Fabricated by Electrospinning and Their Optical Properties. Materials Research Society Symposia Proceedings, 2010, 1270, 1.	0.1	0
50	Control of Self Organization in Conjugated Polymer Fibers. ACS Applied Materials & Interfaces, 2010, 2, 2995-2997.	4.0	16
51	Fine-Tuning of TiO2 Nanofibers-Mixed Nanoparticles-Photoelectrode for High Efficient Dye-Sensitized Solar Cells. ECS Transactions, 2009, 16, 21-26.	0.3	5
52	Electrospinning of poly(vinyl pyrrolidone): Effects of solvents on electrospinnability for the fabrication of poly(<i>p</i>â€phenylene vinylene) and TiO₂ nanofibers. Journal of Applied Polymer Science, 2009, 114, 2777-2791.	1.3	90
53	Low temperature hydrothermal synthesis of monodispersed flower-like titanate nanosheets. Catalysis Communications, 2009, 10, 378-382.	1.6	65
54	Photocatalytic Activity for Hydrogen Evolution of Electrospun TiO₂ Nanofibers. ACS Applied Materials & Interfaces, 2009, 1, 1140-1143.	4.0	225

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55	On the electrospinning of poly(vinyl alcohol) nanofiber mats: A revisit. Journal of Applied Polymer Science, 2008, 108, 969-978.	1.3	133
56	Fabrication and Optical Properties of Electrospun Organic Semiconductor Nanofibers from Blended Polymer Solution. Materials Research Society Symposia Proceedings, 2008, 1091, 1.	0.1	1
57	Fabrication and Optical Properties of Electrospun Conductive Polymer Nanofibers from Blended Polymer Solution. Japanese Journal of Applied Physics, 2008, 47, 787-793.	0.8	34
58	Efficient dye-sensitized solar cells using electrospun TiO2 nanofibers as a light harvesting layer. Applied Physics Letters, 2008, 93, .	1.5	168
59	Ultrafine Electrospun Conducting Polymer Blend Fibers and Their Photoluminescence Properties. Macromolecular Symposia, 2008, 264, 80-89.	0.4	13
60	Mechanical and electro-rheological properties of electrospun poly(vinyl alcohol) nanofibre mats filled with carbon black nanoparticles. Nanotechnology, 2007, 18, 145705.	1.3	47
61	Color Change of Electrospun Polystyrene/MEH-PPV Fibers from Orange to Yellow through Partial Decomposition of MEH Side Groups. Macromolecular Rapid Communications, 2007, 28, 651-659.	2.0	37
62	Electrospinning of Styrene-Isoprene Copolymeric Thermoplastic Elastomers. Polymer Journal, 2006, 38, 961-969.	1.3	13
63	Fabrication of Aligned Poly(vinyl alcohol) Nanofibers by Electrospinning. Journal of Nanoscience and Nanotechnology, 2006, 6, 125-129.	0.9	45
64	TiO₂ Nanorods Prepared from Anodic Aluminum Oxide Template and their Applications in Dye-Sensitized Solar Cells. International Letters of Chemistry, Physics and Astronomy, 0, 46, 30-36.	0.0	2