Dae Soo Jung

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10641038/publications.pdf

Version: 2024-02-01

76	2,898	279798	168389
papers	citations	23 h-index	53 g-index

78	78	78	4695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-Dimensional Carbonâ€“Sulfur Composite Fibers for Naâ€“S Rechargeable Batteries Operating at Room Temperature. Nano Letters, 2013, 13, 4532-4538.	9.1	387
2	Encapsulated Monoclinic Sulfur for Stable Cycling of Liâ€“S Rechargeable Batteries. Advanced Materials, 2013, 25, 6547-6553.	21.0	330
3	Recycling rice husks for high-capacity lithium battery anodes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12229-12234.	7.1	256
4	Spray Drying Method for Large-Scale and High-Performance Silicon Negative Electrodes in Li-Ion Batteries. Nano Letters, 2013, 13, 2092-2097.	9.1	237
5	Hierarchical Porous Carbon by Ultrasonic Spray Pyrolysis Yields Stable Cycling in Lithiumâ€“Sulfur Battery. Nano Letters, 2014, 14, 4418-4425.	9.1	234
6	Delicate Structural Control of Siâ€“SiO_xâ€“C Composite via High-Speed Spray Pyrolysis for Li-Ion Battery Anodes. Nano Letters, 2017, 17, 1870-1876.	9.1	156
7	Design of particles by spray pyrolysis and recent progress in its application. Korean Journal of Chemical Engineering, 2010, 27, 1621-1645.	2.7	137
8	Scalable Fracture-free SiOC Glass Coating for Robust Silicon Nanoparticle Anodes in Lithium Secondary Batteries. Nano Letters, 2014, 14, 7120-7125.	9.1	94
9	Recent progress in electrode materials produced by spray pyrolysis for next-generation lithium ion batteries. Advanced Powder Technology, 2014, 25, 18-31.	4.1	80
10	A Half Millimeter Thick Coplanar Flexible Battery with Wireless Recharging Capability. Nano Letters, 2015, 15, 2350-2357.	9.1	78
11	Fine-sized Y3Al5O12:Ce phosphor powders prepared by spray pyrolysis from the spray solution with barium fluoride flux. Journal of Alloys and Compounds, 2009, 477, 776-779.	5.5	63
12	Solution Processed Aluminum Paper for Flexible Electronics. Langmuir, 2012, 28, 13127-13135.	3.5	61
13	Unique structured microspheres with multishells comprising graphitic carbon-coated Fe₃O₄ hollow nanopowders as anode materials for high-performance Li-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15766-15773.	10.3	61
14	A Novel Solutionâ€Stamping Process for Preparation of a Highly Conductive Aluminum Thin Film. Advanced Materials, 2011, 23, 5524-5528.	21.0	53
15	Rate capability for Na-doped Li1.167Ni0.18Mn0.548Co0.105O2 cathode material and characterization of Li-ion diffusion using galvanostatic intermittent titration technique. Journal of Alloys and Compounds, 2015, 623, 55-61.	5.5	50
16	Pitch-derived yolk-shell-structured carbon microspheres as efficient sulfur host materials and their application as cathode material for Liâ€“S batteries. Chemical Engineering Journal, 2019, 373, 382-392.	12.7	41
17	Three-dimensional porous pitch-derived carbon coated Si nanoparticles-CNT composite microsphere with superior electrochemical performance for lithium ion batteries. Journal of Alloys and Compounds, 2020, 821, 153224.	5.5	38
18	Effects of precursor types of Fe and Ni components on the properties of NiFe2O4 powders prepared by spray pyrolysis. Journal of Magnetism and Magnetic Materials, 2009, 321, 619-623.	2.3	35

#	Article	IF	Citations
19	Towards an efficient anode material for Li-ion batteries: understanding the conversion mechanism of nickel hydroxy chloride with Li- ions. Journal of Materials Chemistry A, 2020, 8, 1939-1946.	10.3	34
20	Preparation of Bi2O3â€“B2O3â€“ZnOâ€“BaOâ€“SiO2 glass powders with spherical shape by spray pyrolysis. Journal of Alloys and Compounds, 2007, 437, 215-219.	5.5	32
21	Effects of BaF2 flux on the properties of yellow-light-emitting terbium aluminum garnet phosphor powders prepared by spray pyrolysis. Optical Materials, 2009, 31, 870-875.	3.6	27
22	The crystal structure and electrochemical performance of Li1.167Mn0.548Ni0.18Co0.105O2 composite cathodes doped and co-doped with Mg and F. Journal of Electroanalytical Chemistry, 2015, 740, 88-94.	3.8	26
23	Effect of boric acid flux on the characteristics of (CeTb)MgAl11O19 phosphor particles prepared by spray pyrolysis. Journal of Alloys and Compounds, 2005, 398, 309-314.	5.5	25
24	Gd2O3:Eu phosphor particles prepared from spray solution containing boric acid flux and polymeric precursor by spray pyrolysis. Optical Materials, 2006, 28, 530-535.	3.6	24
25	Superior Lithiumâ€Ion Storage Properties of Siâ€Based Composite Powders with Unique Si@Carbon@Void@Graphene Configuration. Chemistry - A European Journal, 2015, 21, 2076-2082.	3.3	23
26	Nanosized barium ferrite powders prepared by spray pyrolysis from citric acid solution. Ceramics International, 2009, 35, 1933-1937.	4.8	19
27	Nano-sized Î± and Î²-TCP powders prepared by high temperature flame spray pyrolysis. Materials Science and Engineering C, 2009, 29, 1288-1292.	7.3	19
28	One-step synthesis of copper nanoparticles embedded in carbon composites. Materials Research Bulletin, 2013, 48, 1484-1489.	5.2	18
29	Functional outcome after recanalization for acute pure M1 occlusion of the middle cerebral artery as assessed by collateral CTA flow. Clinical Neurology and Neurosurgery, 2015, 131, 72-76.	1.4	17
30	Ultrasonic spray pyrolysis for air-stable copper particles and their conductive films. Acta Materialia, 2021, 206, 116569.	7.9	16
31	Characteristics of samaria-doped ceria nanoparticles prepared by spray pyrolysis. Ceramics International, 2010, 36, 465-471.	4.8	15
32	Characteristics of nano-sized pb-based glass powders by high temperature spray pyrolysis method. Journal of the Ceramic Society of Japan, 2008, 116, 600-604.	1.1	12
33	Firing characteristics of La0.8Sr0.2Ga0.8Mg0.2O3â˜Î´ electrolyte powders prepared by spray pyrolysis. Journal of Alloys and Compounds, 2009, 487, 693-697.	5.5	11
34	Characteristics of ZnOâ€“B2O3â€“SiO2â€“CaO glass frits prepared by spray pyrolysis as inorganic binder for Cu electrode. Journal of Alloys and Compounds, 2011, 509, 8077-8081.	5.5	11
35	Clinical predictors for favorable outcomes from endovascular recanalization in wake-up stroke. Journal of Clinical Neuroscience, 2017, 41, 66-70.	1.5	11
36	(CeTb)MgAl11O19Phosphor Particles Prepared by Spray Pyrolysis from Spray Solution Containing Citric Acid and Ethylene Glycol. Japanese Journal of Applied Physics, 2005, 44, 4975-4978.	1.5	10

#	Article	IF	Citations
37	Fine-sized BaMgAl10O17:Eu2+ phosphor powders prepared by spray pyrolysis from the spray solution with BaF2 flux. Ceramics International, 2009, 35, 2651-2657.	4.8	10
38	Conductive silver films formed from nano-sized silver powders prepared by flame spray pyrolysis. Materials Chemistry and Physics, 2010, 124, 959-963.	4.0	10
39	Emergent intracranial stenting for acute M2 occlusion of middle cerebral artery. Clinical Neurology and Neurosurgery, 2014, 119, 110-115.	1.4	10
40	Effect of Boric Acid Flux and Drying Control Chemical Additive on the Characteristics of Y2O3:Eu Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 9083-9087.	1.5	9
41	Nano-sized LaMnO3 powders prepared by spray pyrolysis from spray solution containing citric acid. Journal of the Ceramic Society of Japan, 2008, 116, 141-145.	1.1	9
42	A Novel Highâ€Performance TiO_{2â€x}/TiO_{1â€y}N_y Coating Material for Silicon Anode in Lithiumâ€Ion Batteries. Small Methods, 2022, 6, .	8.6	9
43	A Korean Family with Arg1448Cys Mutation of SCN4A Channel Causing Paramyotonia Congenita: Electrophysiologic, Histopathologic, and Molecular Genetic Studies. Journal of Korean Medical Science, 2002, 17, 856.	2.5	8
44	Corneal Endothelial Changes as a Clinical Diagnostic Indicator of Dentatorubropallidoluysian Atrophy. Cornea, 2004, 23, 210-214.	1.7	7
45	One-pot spray pyrolysis for coreâ€“shell structured Sn@SiOC anode nanocomposites that yield stable cycling in lithium-ion batteries. Applied Surface Science, 2022, 589, 152952.	6.1	7
46	Microstructure and electrical properties of nano-sized Ce1-xGdxO2 (0 .LEQ. x .LEQ. 0.2) particles prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 969-974.	1.1	6
47	The effects of glass powders prepared by spray pyrolysis on the structures and conductivities of silver electrode. Materials Chemistry and Physics, 2009, 118, 25-31.	4.0	6
48	Direct Synthesis of High-Brightness (CeTb)MgAl11O19Phosphor Particles by Spray Pyrolysis with Boric Acid Flux. Japanese Journal of Applied Physics, 2006, 45, 116-120.	1.5	5
49	Effects of solvent on the properties of nano-sized glass powders prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 334-340.	1.1	5
50	Sintering behavior of La2O3â€“B2O3â€“TiO2 glass powders prepared by spray pyrolysis for low temperature co-fired ceramics. Ceramics International, 2009, 35, 1829-1835.	4.8	5
51	Synthesis of Li-Rich Cathode Material with High C-Rate Performance by Reductive Treatment. Journal of Electronic Materials, 2017, 46, 1855-1861.	2.2	5
52	Formation of BaMgAl10O17:Eu Phosphor Particles with Spherical Shape and Filled Morphology in the Flame Spray Pyrolysis. Journal of the Ceramic Society of Japan, 2007, 115, 530-535.	1.1	4
53	Synthesis and characterization of NiFe2O4 nanopowders via spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 1069-1073.	1.1	4
54	Size-controlled Bi-based glass powders prepared by spray pyrolysis as inorganic additives for silver electrode. Ceramics International, 2010, 36, 1171-1176.	4.8	4

#	Article	IF	Citations
55	Gd2O3:Eu phosphor powders prepared using a size-controllable droplet generator. Optical Materials, 2008, 30, 1810-1815.	3.6	3
56	Spherical shape Ba-based glass powders prepared by spray pyrolysis for MLCCs. Journal of Electroceramics, 2009, 23, 437-441.	2.0	3
57	Characteristics of size controlled hydroxyapatite powders with nanometer size prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 1060-1064.	1.1	3
58	Low-temperature sintering characteristics of nano-sized BaNd2Ti5O14 and Bi2O3â€“B2O3â€“ZnOâ€“SiO2 glass powders prepared by gas-phase reactions. Materials Research Bulletin, 2011, 46, 2112-2116.	5.2	3
59	The Role of Carbon Black in the Preparation of GdPO₄:Tb Phosphor Powders by Spray Pyrolysis. Japanese Journal of Applied Physics, 2009, 48, 116503.	1.5	2
60	Size control of Pb-based glass powders between 38 and 84 nm in the flame spray pyrolysis. Journal of Electroceramics, 2009, 23, 236-241.	2.0	2
61	Effect of glass powders with spherical shape and fine size on the sintering behavior and dielectric properties of BaTiO3 ceramics. Journal of the Ceramic Society of Japan, 2009, 117, 675-679.	1.1	2
62	Preparation of silver-glass composite powder and conducting film. Journal of the Ceramic Society of Japan, 2010, 118, 353-356.	1.1	2
63	Effect of preparation conditions on the properties of silver-glass composite powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2010, 118, 25-29.	1.1	2
64	Characteristics of BaNd2Ti5O14 powders directly prepared by high-temperature spray pyrolysis. Ceramics International, 2010, 36, 63-68.	4.8	2
65	Composite conducting powders with coreâ€“shell structure as the new concept of electrode material. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 69-73.	4.7	2
66	Characteristics of the glass powders with low Pb content directly prepared by spray pyrolysis. Journal of Alloys and Compounds, 2010, 502, 158-162.	5.5	2
67	Characteristics of nanosized Bi-based glass powders prepared by flame spray pyrolysis as transparent dielectric layer material. Ceramics International, 2011, 37, 687-690.	4.8	2
68	Effect of preparation temperature on the formation of Sr2CeO4 phosphor particles in the spray pyrolysis. Korean Journal of Chemical Engineering, 2006, 23, 496-498.	2.7	1
69	Spherical Shape PbO-B2O3-SiO2 Glass Powders Prepared by Flame Spray Pyrolysis. Journal of the Ceramic Society of Japan, 2007, 115, 483-486.	1.1	1
70	Characteristics of nano-sized Ag-Pd (70-30)-glass composite powders prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2011, 119, 23-28.	1.1	1
71	Sintering characteristics of nano-sized Agâ€“Pdâ€“glass composite powders with high Pd content. Journal of Materials Science, 2012, 47, 7090-7098.	3.7	1
72	GdPO4:Tb phosphor particles prepared by spray pyrolysis from the polymeric spray solution. Journal of the Ceramic Society of Japan, 2008, 116, 653-656.	1.1	0

#	Article	IF	Citations
73	Spherical shape BaNd2Ti5O14 powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 1289-1294.	1.1	0
74	Properties of Li2O-ZnO-Al2O3-SiO2 glass-ceramic system prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 407-410.	1.1	0
75	Properties of Li2O-ZnO-Al2O3-SiO2 glass-ceramic system prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 717.	1.1	0
76	Properties of La0.8Sr0.2Ga0.8Mg0.2O2.8 electrolyte formed from the nano-sized powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2011, 119, 752-756.	1.1	0