

# Jae-Kwang Kim

## List of Publications by Year in descending order

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116  
papers

4,451  
citations

76326

40  
h-index

118850

62  
g-index

120  
all docs

120  
docs citations

120  
times ranked

4942  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid solid electrolyte for flexible solid-state sodium batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3589-3596.	30.8	204
2	Ionic conductivity and electrochemical properties of nanocomposite polymer electrolytes based on electrospun poly(vinylidene fluoride-co-hexafluoropropylene) with nano-sized ceramic fillers. <i>Electrochimica Acta</i> , 2008, 54, 228-234.	5.2	177
3	Polymer electrolytes based on an electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membrane for lithium batteries. <i>Journal of Power Sources</i> , 2007, 167, 491-498.	7.8	165
4	Encapsulation of organic active materials in carbon nanotubes for application to high-electrochemical-performance sodium batteries. <i>Energy and Environmental Science</i> , 2016, 9, 1264-1269.	30.8	148
5	An imidazolium based ionic liquid electrolyte for lithium batteries. <i>Journal of Power Sources</i> , 2010, 195, 7639-7643.	7.8	146
6	Enhancement of electrochemical performance of lithium iron phosphate by controlled sol-gel synthesis. <i>Electrochimica Acta</i> , 2008, 53, 8258-8264.	5.2	131
7	Preparation and electrochemical characterization of electrospun, microporous membrane-based composite polymer electrolytes for lithium batteries. <i>Journal of Power Sources</i> , 2008, 178, 815-820.	7.8	126
8	Poly(ethylene oxide)-based polymer electrolyte incorporating room-temperature ionic liquid for lithium batteries. <i>Solid State Ionics</i> , 2007, 178, 1235-1241.	2.7	121
9	Effect of mechanical activation process parameters on the properties of LiFePO <sub>4</sub> cathode material. <i>Journal of Power Sources</i> , 2007, 166, 211-218.	7.8	110
10	A modified mechanical activation synthesis for carbon-coated LiFePO <sub>4</sub> cathode in lithium batteries. <i>Materials Letters</i> , 2007, 61, 3822-3825.	2.6	98
11	Electrospun polymer membrane activated with room temperature ionic liquid: Novel polymer electrolytes for lithium batteries. <i>Journal of Power Sources</i> , 2007, 172, 863-869.	7.8	97
12	Organic radical battery with PTMA cathode: Effect of PTMA content on electrochemical properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2008, 14, 371-376.	5.8	84
13	Dual-anion ionic liquid electrolyte enables stable Ni-rich cathodes in lithium-metal batteries. <i>Joule</i> , 2021, 5, 2177-2194.	24.0	83
14	A ternary sulfur/polyaniline/carbon composite as cathode material for lithium sulfur batteries. <i>Electrochimica Acta</i> , 2013, 109, 145-152.	5.2	78
15	Phase behaviour, transport properties, and interactions in Li-salt doped ionic liquids. <i>Faraday Discussions</i> , 2012, 154, 71-80.	3.2	77
16	High-energy lithium batteries based on single-ion conducting polymer electrolytes and Li[Ni <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> ]O <sub>2</sub> cathodes. <i>Nano Energy</i> , 2020, 77, 105129.	16.0	76
17	In-situ Coating of Li[Ni <sub>0.33</sub> Mn <sub>0.33</sub> Co <sub>0.33</sub> ]O <sub>2</sub> Particles to Enable Aqueous Electrode Processing. <i>ChemSusChem</i> , 2016, 9, 1112-1117.	6.8	74
18	Characterization of N-butyl-N-methyl-pyrrolidinium bis(trifluoromethanesulfonyl)imide-based polymer electrolytes for high safety lithium batteries. <i>Journal of Power Sources</i> , 2013, 224, 93-98.	7.8	73

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19	Superior Ion-Conducting Hybrid Solid Electrolyte for All-Solid-State Batteries. <i>ChemSusChem</i> , 2015, 8, 636-641.	6.8	70
20	Rechargeable-hybrid-seawater fuel cell. <i>NPG Asia Materials</i> , 2014, 6, e144-e144.	7.9	68
21	Electrochemical properties of LiFePO <sub>4</sub> /C synthesized by mechanical activation using sucrose as carbon source. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 799-805.	2.5	66
22	Rechargeable Organic Radical Battery with Electrospun, Fibrous Membrane-Based Polymer Electrolyte. <i>Journal of the Electrochemical Society</i> , 2007, 154, A839.	2.9	63
23	Highly Stable Quasi-Solid-State Lithium Metal Batteries: Reinforced Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> /Li Interface by a Protection Interlayer. <i>Advanced Energy Materials</i> , 2021, 11, 2101339.	19.5	62
24	Metal-free hybrid seawater fuel cell with an ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19584-19588.	10.3	59
25	Electrochemical properties of carbon-coated LiFePO <sub>4</sub> synthesized by a modified mechanical activation process. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2371-2377.	4.0	56
26	Recent progress on cesium lead/tin halide-based inorganic perovskites for stable and efficient solar cells: A review. <i>Solar Energy Materials and Solar Cells</i> , 2020, 204, 110212.	6.2	56
27	Electrochemical properties of LiFePO <sub>4</sub> /C composite cathode material: Carbon coating by the precursor method and direct addition. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1257-1260.	4.0	55
28	Optimized hard carbon derived from starch for rechargeable seawater batteries. <i>Carbon</i> , 2018, 129, 564-571.	10.3	54
29	Electrochemical properties of rechargeable organic radical battery with PTMA cathode. <i>Metals and Materials International</i> , 2009, 15, 77-82.	3.4	53
30	Effect of synthetic conditions on the electrochemical properties of LiMn <sub>0.4</sub> Fe <sub>0.6</sub> PO <sub>4</sub> /C synthesized by sol-gel technique. <i>Journal of Power Sources</i> , 2009, 189, 391-396.	7.8	49
31	Ultralong Life Organic Sodium Ion Batteries Using a Polyimide/Multiwalled Carbon Nanotubes Nanocomposite and Gel Polymer Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8159-8166.	6.7	47
32	Electrochemical properties of new organic radical materials for lithium secondary batteries. <i>Journal of Power Sources</i> , 2008, 184, 503-507.	7.8	45
33	Nano-fibrous polymer films for organic rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2426-2430.	10.3	45
34	Towards flexible secondary lithium batteries: polypyrrole-LiFePO <sub>4</sub> thin electrodes with polymer electrolytes. <i>Journal of Materials Chemistry</i> , 2012, 22, 15045.	6.7	44
35	Highly porous LiMnPO <sub>4</sub> in combination with an ionic liquid-based polymer gel electrolyte for lithium batteries. <i>Electrochemistry Communications</i> , 2011, 13, 1105-1108.	4.7	43
36	Hybrid gel polymer electrolyte for high-safety lithium-sulfur batteries. <i>Materials Letters</i> , 2017, 187, 40-43.	2.6	43

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37	Eco-friendly Energy Storage System: Seawater and Ionic Liquid Electrolyte. <i>ChemSusChem</i> , 2016, 9, 42-49.	6.8	42
38	Lithium Phosphonate Functionalized Polymer Coating for High Energy Li[Ni <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> ]O <sub>2</sub> with Superior Performance at Ambient and Elevated Temperatures. <i>Advanced Functional Materials</i> , 2021, 31, 2105343.	14.9	42
39	New Chemical Route for the Synthesis of $\text{Na}_{0.33}\text{V}_2\text{O}_5$ and Its Fully Reversible Li Intercalation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7025-7032.	8.0	41
40	Multi-channel-contained few-layered MoSe <sub>2</sub> nanosheet/N-doped carbon hybrid nanofibers prepared using diethylenetriamine as anodes for high-performance sodium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 75, 100-107.	5.8	39
41	Ceramic-Based Composite Solid Electrolyte for Lithium-Ion Batteries. <i>ChemPlusChem</i> , 2015, 80, 1100-1103.	2.8	36
42	Recent Advances in Layered Metal-Oxide Cathodes for Application in Potassium-Ion Batteries. <i>Advanced Science</i> , 2022, 9, e2105882.	11.2	35
43	Atomic structural and electrochemical impact of Fe substitution on nano porous LiMnPO <sub>4</sub> . <i>Journal of Power Sources</i> , 2016, 320, 59-67.	7.8	33
44	Effect of firing temperature on the electrochemical performance of LiMn <sub>0.4</sub> Fe <sub>0.6</sub> PO <sub>4</sub> /C materials prepared by mechanical activation. <i>Journal of Power Sources</i> , 2009, 189, 59-65.	7.8	32
45	Ionic liquid-based gel polymer electrolyte for LiMn <sub>0.4</sub> Fe <sub>0.6</sub> PO <sub>4</sub> cathode prepared by electrospinning technique. <i>Electrochimica Acta</i> , 2010, 55, 1366-1372.	5.2	32
46	All fluorine-free lithium battery electrolytes. <i>Journal of Power Sources</i> , 2014, 251, 451-458.	7.8	32
47	Ionic liquids and oligomer electrolytes based on the B(CN) <sub>4</sub> <sup>-</sup> anion; ion association, physical and electrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14953.	2.8	29
48	Properties of lithium iron phosphate prepared by biomass-derived carbon coating for flexible lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 300, 18-25.	5.2	29
49	Carbon conductor- and binder-free organic electrode for flexible organic rechargeable batteries with high energy density. <i>Journal of Power Sources</i> , 2017, 361, 15-20.	7.8	28
50	Polymer electrolytes based on poly(vinylidene fluoride-co-hexafluoropropylene) nanofibrous membranes containing polymer plasticizers for lithium batteries. <i>Solid State Ionics</i> , 2012, 225, 631-635.	2.7	27
51	Stretchable electrolytes for stretchable/flexible energy storage systems – Recent developments. <i>Energy Storage Materials</i> , 2020, 28, 315-324.	18.0	27
52	Binder-free organic cathode based on nitroxide radical polymer-functionalized carbon nanotubes and gel polymer electrolyte for high-performance sodium organic polymer batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17980-17986.	10.3	25
53	Electrochemical properties of lithium polymer batteries with doped polyaniline as cathode material. <i>Materials Research Bulletin</i> , 2012, 47, 2815-2818.	5.2	23
54	Improving the stability of an organic battery with an ionic liquid-based polymer electrolyte. <i>RSC Advances</i> , 2012, 2, 9795.	3.6	23

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55	Electrochemical characterization of poly(vinylidene fluoride-co-hexafluoro propylene) based electrospun gel polymer electrolytes incorporating room temperature ionic liquids as green electrolytes for lithium batteries. <i>Solid State Ionics</i> , 2014, 262, 77-82.	2.7	23
56	Composite gel polymer electrolyte with ceramic particles for LiNi 1/3 Mn 1/3 Co 1/3 O 2 -Li 4 Ti 5 O 12 lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 236, 394-398.	5.2	23
57	Surface-modified maghemite as the cathode material for lithium batteries. <i>Journal of Power Sources</i> , 2008, 184, 527-531.	7.8	22
58	Porous SnO <sub>2</sub> /C Nanofiber Anodes and LiFePO <sub>4</sub> /C Nanofiber Cathodes with a Wrinkle Structure for Stretchable Lithium Polymer Batteries with High Electrochemical Performance. <i>Advanced Science</i> , 2020, 7, 2001358.	11.2	22
59	Li(Mn <sub>0.4</sub> Fe <sub>0.6</sub> )PO <sub>4</sub> cathode active material: Synthesis and electrochemical performance evaluation. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1253-1256.	4.0	21
60	Supercritical synthesis in combination with a spray process for 3D porous microsphere lithium iron phosphate. <i>CrystEngComm</i> , 2014, 16, 2818-2822.	2.6	21
61	Facile fabrication of patterned Si film electrodes containing trench-structured Cu current collectors for thin-film batteries. <i>Electrochimica Acta</i> , 2017, 224, 649-659.	5.2	21
62	Li-Water Battery with Oxygen Dissolved in Water as a Cathode. <i>Journal of the Electrochemical Society</i> , 2014, 161, A285-A289.	2.9	20
63	Zr doping effect with low-cost solid-state reaction method to synthesize submicron Li 4 Ti 5 O 12 anode material. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 108, 25-29.	4.0	20
64	Micro-fibrous organic radical electrode to improve the electrochemical properties of organic rechargeable batteries. <i>Journal of Power Sources</i> , 2013, 242, 683-686.	7.8	19
65	A layer-built rechargeable lithium ribbon-type battery for high energy density textile battery applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1774-1780.	10.3	19
66	Electrochemical properties of a ceramic-polymer-composite-solid electrolyte for Li-ion batteries. <i>Solid State Ionics</i> , 2016, 284, 20-24.	2.7	19
67	Highly integrated and interconnected CNT hybrid nanofibers decorated with Fe-iron oxide as freestanding anodes for flexible lithium polymer batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12480-12488.	10.3	19
68	Characterization of fibrous gel polymer electrolyte for lithium polymer batteries with enhanced electrochemical properties. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 37-42.	3.8	18
69	Improving electrochemical properties of porous iron substituted lithium manganese phosphate in additive addition electrolyte. <i>Journal of Power Sources</i> , 2015, 275, 106-110.	7.8	17
70	Rational Design of Perforated Bimetallic (Ni, Mo) Sulfides/Na-doped Graphitic Carbon Composite Microspheres as Anode Materials for Superior Na-ion Batteries. <i>Small Methods</i> , 2021, 5, e2100195.	8.6	17
71	Electrochemical properties of a full cell of lithium iron phosphate cathode using thin amorphous silicon anode. <i>Solid State Ionics</i> , 2014, 268, 256-260.	2.7	15
72	Influence of temperature on ionic liquid-based gel polymer electrolyte prepared by electrospun fibrous membrane. <i>Electrochimica Acta</i> , 2014, 116, 321-325.	5.2	15

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73	Properties of N-butyl-N-methyl-pyrrolidinium Bis(trifluoromethanesulfonyl) Imide Based Electrolytes as a Function of Lithium Bis(trifluoromethanesulfonyl) Imide Doping. Journal of the Korean Electrochemical Society, 2011, 14, 92-97.	0.1	15
74	Preparation and application of TEMPO-based di-radical organic electrode with ionic liquid-based polymer electrolyte. RSC Advances, 2012, 2, 10394.	3.6	14
75	Physico-electrochemical properties of carbon coated LiFePO <sub>4</sub> nanoparticles prepared by different preparation method. Applied Surface Science, 2020, 505, 144630.	6.1	14
76	Electrochemical characterization of micro-rod $\text{Na}_0.33\text{V}_2\text{O}_5$ for high performance lithium ion batteries. Electrochimica Acta, 2016, 193, 160-165.	5.2	13
77	An Electrospun Core-Shell Nanofiber Web as a High-Performance Cathode for Iron Disulfide-Based Rechargeable Lithium Batteries. ChemSusChem, 2018, 11, 3625-3630.	6.8	13
78	Binder-free hybrid Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode for high performance lithium-ion batteries. Electrochimica Acta, 2018, 282, 270-275.	5.2	13
79	Preparation of Highly Porous PAN-LATP Membranes as Separators for Lithium Ion Batteries. Nanomaterials, 2019, 9, 1581.	4.1	13
80	High-performance quasi-solid-state flexible sodium metal battery: Substrate-free FeS <sub>2</sub> @C composite fibers cathode and polyimide film-stuck sodium metal anode. Chemical Engineering Journal, 2020, 391, 123510.	12.7	13
81	Redox chemistry of nitrogen-doped CNT-encapsulated nitroxide radical polymers for high energy density and rate-capability organic batteries. Chemical Engineering Journal, 2021, 413, 127402.	12.7	13
82	2,3,6,7,10,11-Hexamethoxytriphenylene (HMTP): A new organic cathode material for lithium batteries. Electrochemistry Communications, 2012, 21, 50-53.	4.7	12
83	Role of lithium precursor in the structure and electrochemical performance of LiFePO <sub>4</sub> . Scripta Materialia, 2013, 69, 716-719.	5.2	12
84	Development of a Self-Charging Lithium-Ion Battery Using Perovskite Solar Cells. Nanomaterials, 2020, 10, 1705.	4.1	12
85	$\text{Fe}_3\text{O}_4$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles encapsulated in polypyrrole for quasi-solid-state lithium batteries. Journal of Materials Chemistry A, 2014, 2, 3551.	10.3	11
86	Effect of carbon coating methods on structural characteristics and electrochemical properties of carbon-coated lithium iron phosphate. Solid State Ionics, 2014, 262, 25-29.	2.7	11
87	Comparison of structural characteristics and electrochemical properties of LiMPO <sub>4</sub> (M=Fe, Mn, and Tj) ETQq1 1 0.784314 rgBT / Over	2.6	11
88	Organic di-radical rechargeable battery with an ionic liquid-based gel polymer electrolyte. Korean Journal of Chemical Engineering, 2016, 33, 858-861.	2.7	11
89	Optimization of electrolyte and carbon conductor for dilithium terephthalate organic batteries. Korean Journal of Chemical Engineering, 2018, 35, 2464-2467.	2.7	11
90	Stabilizing the Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub>   Li Interface for High Efficiency and Long Lifespan Quasi-Solid-State Lithium Metal Batteries. ChemSusChem, 2022, 15, .	6.8	11

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91	Optimization of high potential cathode materials and lithium conducting hybrid solid electrolyte for high-voltage all-solid-state batteries. <i>Electrochimica Acta</i> , 2021, 365, 137349.	5.2	10
92	Quasi-Solid-State Lithium Metal Batteries Using the $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ - $\text{Li}_x\text{Al}_x\text{Ti}_2$ Composite Positive Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 53810-53817.	8.0	2
93	Electrochemical properties of sulfurized poly-acrylonitrile (SPAN) cathode containing carbon fiber current collectors. <i>Surface and Coatings Technology</i> , 2017, 326, 443-449.	4.8	8
94	Single- and double-redox reaction of poly(2,2,6,6-tetramethylpiperidinyloxy-4-vinylmethacrylate)/ordered mesoporous carbon composite nitroxide radical polymer battery. <i>Journal of Power Sources</i> , 2020, 477, 228670.	7.8	8
95	Low-cost and highly safe solid-phase sodium ion battery with a $\text{Sn-C}$ nanocomposite anode. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 112-118.	5.8	8
96	Redox chemistry of advanced functional material for low-cost and environment-friendly seawater energy storage. <i>Materials Today Energy</i> , 2021, 21, 100805.	4.7	8
97	Electrochemical properties of $\text{LiMn}_{0.4}\text{Fe}_{0.6}\text{PO}_4$ with polyimide-based gel polymer electrolyte for high safety and improvement of rate capability. <i>Electrochimica Acta</i> , 2017, 238, 107-111.	5.2	7
98	Preparation of fully flexible lithium metal batteries with free-standing $\text{Na}_0.33\text{V}_2\text{O}_5$ cathodes and LAGP hybrid solid electrolytes. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 368-375.	5.8	7
99	Facile preparation of nanoporous and nanocrystalline $\text{LiFePO}_4$ with excellent electrochemical properties. <i>RSC Advances</i> , 2013, 3, 20836.	3.6	6
100	Influence of ionic liquid structures on polyimide-based gel polymer electrolytes for high-safety lithium batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 168-172.	5.8	5
101	Synthesis and Electrochemical Properties of Polyaniline Nanofibers by Interfacial Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 3534-3537.	0.9	4
102	Effect of sol-gel process parameters on the properties of a $\text{Li}_{1.3}\text{Ti}_{1.7}\text{Al}_{0.3}(\text{PO}_4)_3$ solid electrolyte for Li-ion batteries. <i>Journal of the Korean Physical Society</i> , 2016, 68, 28-34.	0.7	4
103	Electrode Materials with a Crater-Type Morphology Prepared by Electro spraying for High-Performance Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 4487-4492.	6.8	4
104	An Integrated Device of a Lithium-Ion Battery Combined with Silicon Solar Cells. <i>Energies</i> , 2021, 14, 6010.	3.1	3
105	Effect of Carbon Coating and Magnesium Doping on Electrochemical Properties of $\text{LiFePO}_4$ for Lithium Ion Batteries. <i>Science of Advanced Materials</i> , 2017, 9, 1266-1271.	0.7	3
106	Electrochemical properties of lithium iron phosphate cathode material using polymer electrolyte. <i>Physica Scripta</i> , 2007, T129, 66-69.	2.5	2
107	Spectroscopic characterization of biochemical states of myoglobin in beef in different environments. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 302-306.	5.8	2
108	Manganese Doped $\text{LiFePO}_4$ as a Cathode for High Energy Density Lithium Batteries. <i>Journal of the Korean Electrochemical Society</i> , 2013, 16, 157-161.	0.1	2

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109	Si film electrodes containing surface-modified Cu current collectors prepared by a low temperature oxidation-reduction process. Vacuum, 2016, 132, 130-137.	3.5	1
110	Eco-friendly Energy Storage System: Seawater and Ionic Liquid Electrolyte. ChemSusChem, 2016, 9, 2-2.	6.8	1
111	Comparison of the structural and electrochemical properties of LiMn <sub>0.4</sub> Fe <sub>0.6</sub> PO <sub>4</sub> cathode materials with different synthetic routes. Journal of Industrial and Engineering Chemistry, 2018, 66, 94-99.	5.8	1
112	Polymer-Ceramic Composite Gel Polymer Electrolyte for High-Electrochemical-Performance Lithium-Ion Batteries. Journal of the Korean Electrochemical Society, 2016, 19, 123-128.	0.1	1
113	Electrochemical Properties of Poly(Styrenesulfonate)-Carbon Composite Anode for Organic Rechargeable Battery. Journal of the Korean Electrochemical Society, 2016, 19, 129-133.	0.1	1
114	Stretchable self-charging energy integrated device of high storage efficiency. Journal of Power Sources, 2022, 525, 231079.	7.8	1
115	Electrochemical Properties of LiMPO <sub>4</sub> (M = Fe, Mn) Synthesized by Sol-Gel Method. Journal of the Korean Electrochemical Society, 2008, 11, 120-124.	0.1	0
116	Electrochemical Properties of Ionic Liquid Composite Poly(ethylene oxide)(PEO) Solid Polymer Electrolyte. Journal of the Korean Electrochemical Society, 2016, 19, 101-106.	0.1	0