## Sujong Chae

List of Publications by Year in descending order

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SUIONC CHAF

1   Nickelä-CRich Layered Lithium Transitionä-CMetal Oxide for Highä-Energy Lithiumä-Gon Batteries. Angewandte Chemie - International Edition, 2015, 54, 4440 4457.   12     2   Scalable synthesis of silicon nanolayer embedded graphite for high energy lithium hon batteries.   33     3   Metal (Ni, Co)ä GMetal Oxides/Craphene Nanocomposites as Multifunctional Electrocatalysts. Advanced   14     4   Integration of Graphite and Silicon Anodes for the Commercialization of Highä-Energy Lithiumä-Gon Batteries. Angewandte Chemie - International Edition, 2020, 59, 110-135.   15     5   Conforting Issues of the Practical Implementation of Si Anode in High-Energy Lithiumä-Gon Batteries.   24     6   Fast-charging high-energy lithiumä-on batteries via Implantation of amorphoue silicon nanolayer in edge plane activated graphite anodes. Nature Communications, 2017, 8, 812.   24     7   Challenges in Accommodating Volume Change of Si Anodes for Liketon Batteries. ChemElectroChem, 2015, 2, 1445-1651.   34     8   Elastic High-energy Lithium Ion Batteries. Accommodating Volume Change of Si Anodes for Liketon Batteries. Chem.ElectroChem, 2016, 1, 1, 1552-1552.   34     9   Unsymmetrical fluorinated malonatoborate as an ampletoric additive for high energy-density   34     10   Micron-sized Fe8C*Cuade*Si ternary composite anodes for high energy Liton batteries. Energy and Environmental Science, 2016, 9, 1231-1237.   34	Article	IF	CITATIONS
2 Scalable synthesis of silicon-nanolayer-embedded graphite for high-energy lithium-ion batteries. 34   3 Metal (NJ, Co)46-Metal Oxides/Graphene Nanocomposites as Multifunctional Electrocatalysts. Advanced 14   4 Integration of Graphite and Silicon Anodes for the Commercialization of High4Eenergy Lithium4E0n 15   5 Confronting Issues of the Practical Implementation of SI Anode in High-Energy Lithium4E0n 15   6 Fast-charging high-energy lithium-ion batteries via Implantation of anorphous silicon nanolayer in 15   7 Challenges in Accommodating Volume Change of SI Anodes for LisCion Batteries. ChemElectroChem, 36   8 Elast- (i)= c(i)= c(i)	Nickelâ€Rich Layered Lithium Transitionâ€Metal Oxide for Highâ€Energy Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 4440-4457.	13.8	1,512
3 Metal (NI, Co)3CMetal Oxides)Graphene Nanocomposites as Multifunctional Electrocatalysts. Advanced 14   4 Integration of Graphite and Silicon Anodes for the Commercialization of High4Energy Uthlumä6ion 15   5 Confronting Issues of the Practical Implementation of Si Anode in High-Energy Uthlumi-Ion Batteries. 24   6 Fast-charging high-energy lithlumion batteries via implantation of amorphous silicon nanolayer in 15   7 Challenges in Accommodating Volume Change of Si Anodes for LiäGkon Batteries. ChemElectroChem, 32   8 Elastic (1):a(1)-53licon Nanoparticle Bachboned Graphene Hybrid as a Self-Compacting Anode for 14   9 Unsymmetrical fluctionated malonatohorate as an amplotence additive for high-energy density 36   10 Micron-sized Fe8C*Cu8C*Si temary composite anodes for high energy LHon batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 36   11 Flexible High-Energy LHon Batteries. Advanced Materials, 2020, 32, e2003266. 37   12 Advances and Prospects of Sulfide All&EGolid&Efstate Lithium Batteries via Onea&Geo&Econe Comparison with Environmental Science, 2016, 9, 1251-1257. 37   13 Flexible High-Energy LHon Batteries. Advanced Materials, 2020, 32, e2003266. 31   14 Advances and Prospects of Sulfide All&EGolid&Efstate Lithium Batteries via Onea&Geo&Econe Comparison. 3	Scalable synthesis of silicon-nanolayer-embedded graphite for high-energy lithium-ion batteries. Nature Energy, 2016, 1, .	39.5	563
4 Integration of Graphite and Silicon Anodes for the Commercialization of High-äEnergy LithiumäGion 13   6 Confronting Issues of the Practical Implementation of SI Anode in High-Energy Lithium-Ion Batteries. 24   6 Fast-charging high-energy lithium-ion batteries via implantation of amorphous silicon nanolayer in edge-plane activated graphite anodes. Nature Communications, 2017, 8, 812. 14   7 Challenges in Accommodating Volume Change of SI Anodes for LiäGon Batteries. ChemElectroChem, 2015, 2, 1645-1651. 26   8 Elastic (-bac(b)-Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8559. 14   9 Unsymmetrical fluorinated malonatoborate as an ampleteric additive for high-energy-density ithum-ton batteries. Energy and Environmental Science, 2016, 11, 1552-1562. 36   10 Micron-sized FeäC"CuáC"S' ternary composite anodes for high energy Lion batteries. Energy and Environmental Science, 2016, 11, 1552-1562. 36   11 Flexible High-Energy Li-Ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 37   12 Advances and Prospects of Sulfide AlläcEsolidäcEstate Lithium Batteries, 2019, 31, e1900376. 37   13 CalenderingäcCompatible Macroporous Architecture for Sulficenation in a conventional Liquid Lithium Ion Batteries. Advanced Materials, 2020, 32, e2003286. 38   14 R	Metal (Ni, Co)â€Metal Oxides/Graphene Nanocomposites as Multifunctional Electrocatalysts. Advanced Functional Materials, 2015, 25, 5799-5808.	14.9	490
5 Confronting Issues of the Practical Implementation of SI Anode in High-Energy Lithium-Ion Batteries. Joule, 2017, 1, 47-60. 24   6 Fast-charging high-energy lithium-ion batteries via implantation of amorphous silicon nanolayer in edgeplane activated graphite anodes. Nature Communications, 2017, 8, 812. 12   7 2015, 2, 1645-1651. 3.   8 Elastic <i>a (I)-Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599. 14   9 Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   10 Micron-sized Feä&amp;"Cuä&amp;"Si ternary composite anodes for high energy Li+on batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   11 Flexible High-Energy Li+on Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 9   12 Advances and Prospects of Sulfide Allä&amp;Eolidä&amp;Estate Li+hium Batteries via Oneä&amp;Coä&amp;One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2020, 32, e2003286. 23   14 Robust Pitch on Silcon Nanolayerã&amp;"Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 33   13 Calenderingã&amp;Compatible Macroporous Architecture for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 3</i>	Integration of Graphite and Silicon Anodes for the Commercialization of Highâ€Energy Lithiumâ€lon Batteries. Angewandte Chemie - International Edition, 2020, 59, 110-135.	13.8	460
6 Fast-charging high-energy lithium-ion batteries via implantation of amorphous silicon nanolayer in edge-plane activated graphite anodes. Nature Communications, 2017, 8, 812. 12   7 Challenges in Accommodating Volume Charge of Si Anodes for LiaCkon Batteries. ChemElectroChem, 2015, 2, 1645-1651. 3.   8 Elastic (i) a (i) - Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599. 14   9 Unsymmetrical fluorinated malonatoborate as an amphotoric additive for high-energy-density ithum-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   10 Micron-sized FeàC"CuàC"Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   11 Flexible High-Energy Li-ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 30   12 Advances and Prospects of Sulfide AllàE6olidäE6tate Lithium Batteries via OneàEtoàEOne Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 CalenderingàECompatible Macroporous Architecture for SiliconàC"Craphite Composite toward HighAEEnergy LithiumäCon Batteries. Advanced Materials, 2020, 32, e2003286. 31   14 Robust Pitch on Silicon Nanolayerãe"Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy, Materials, 2019, 9, 1803121. 33   15 Subnano-sized	Confronting Issues of the Practical Implementation of Si Anode in High-Energy Lithium-Ion Batteries. Joule, 2017, 1, 47-60.	24.0	329
7 Challenges in Accommodating Volume Change of Si Anodes for LiåCkon Batteries. ChemElectroChem, 2015, 2, 1645-1651. 3.   8 Elastic (1) a (1) - Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599. 14   9 Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   10 Micron-sized FeäC"CuäC"Si ternary composite anodes for high energy LHon batteries. Energy and Environmental Science, 2016, 9, 1251-1257. 30   11 Flexible High-Energy LHon Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 9.   12 Advances and Prospects of Sulfide AlläEGolidäE6tate Lithium Batteries via OneäEtoäEOne Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 CalenderingäECompatible Macroporous Architecture for SiliconăC"Graphite Composite toward HighäEEnergy UrhiumäCion Batteries. Advanced Materials, 2020, 32, e2003286. 21   14 Robust Pitch on Silicon NanolayerãC"Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 36   15 Subnano-sized silicon anode via crystal growth Inhibition mechanism and Its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 36   16 Graphite versus Commercial Benchmarkin	Fast-charging high-energy lithium-ion batteries via implantation of amorphous silicon nanolayer in edge-plane activated graphite anodes. Nature Communications, 2017, 8, 812.	12.8	274
8 Elastic (i) - Glib-Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599. 14   9 Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 36   10 Micron-sized Feãe <sup>er</sup> Cuãe <sup>er</sup> Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2016, 9, 1251-1257. 36   11 Flexible High-Energy Li-ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 9.   12 Advances and Prospects of Sulfide Allãe&olidã&Etate Lithium Batteries via Oneâ&Eoã&One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 Calenderingã&Compatible Macroporous Architecture for Siliconãe <sup>er</sup> Graphite Composite toward Higha&Energy Lithiumã&On Batteries. Advanced Materials, 2020, 32, e2003286. 36   14 Robust Pitch on Silicon Nanolayerãe <sup>er</sup> Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 36   15 Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 36   16 Oneã&Etoã&One Comparison of Graphite&Belended Negative Electrodes Using Silicon Nanolayerã&Embedded Energy Uthiumã&Eon Batteries, Advanced Energy Interials, 2017, 7, 1700071. 37	Challenges in Accommodating Volume Change of Si Anodes for Liâ€lon Batteries. ChemElectroChem, 2015, 2, 1645-1651.	3.4	204
9 Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density 30   10 Micron-sized Feã€"Cuã€"Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562. 30   10 Micron-sized Feã€"Cuã€"Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2016, 9, 1251-1257. 30   11 Flexible High-Energy Li-ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 9.   12 Advances and Prospects of Sulfide Allã€6olidã€Estate Lithium Batteries via Oneã€toã€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 Calenderingã€Compatible Macroporous Architecture for Siliconã€"Graphite Composite toward Highá€Energy Lithiumã€On Batteries. Advanced Materials, 2020, 32, e2003286. 21   14 Robust Pitch on Silicon Nanolayerã€"Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 16   15 Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 36   16 Onea€toã€One Comparison of Graphite&Blended Negative Electrodes Using Silicon Nanolayerã€Embedded Energy Materials, 2017, 7, 1700071. 17   17 A Micrometerã <gized anode="" by="" carbon="" composite="" impregnation="" in="" nanoporous<="" of="" petroleum="" pitch="" silicon="" synthesized="" td=""><td>Elastic <i>a</i>-Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599.</td><td>14.6</td><td>180</td></gized>	Elastic <i>a</i> -Silicon Nanoparticle Backboned Graphene Hybrid as a Self-Compacting Anode for High-Rate Lithium Ion Batteries. ACS Nano, 2014, 8, 8591-8599.	14.6	180
10Micron-sized Feãé"Cuãé"Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2016, 9, 1251-1257.3311Flexible High-Energy Li-ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089.9412Advances and Prospects of Sulfide Allâ€Golidã€Etate Lithium Batteries via Oneã€toã€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376.2113Calenderingã€Compatible Macroporous Architecture for Siliconã€"Graphite Composite toward Highã€Energy Lithiumã€On Batteries. Advanced Materials, 2020, 32, e2003286.2114Robust Pitch on Silicon Nanolayerã€"Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121.1615Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175.3616Oneã€toã€One Comparison of Graphiteã€Blended Negative Electrodes Using Silicon Nanolayerã€Embedded Energy Materials, 2017, 7, 1700071.1517A Micrometerã€Eized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095.21	Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562.	30.8	154
11 Flexible High-Energy Li-Ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089. 9.   12 Advances and Prospects of Sulfide Allâ€6olidâ€6tate Lithium Batteries via Oneâ€toâ€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 Calenderingâ€Compatible Macroporous Architecture for Silicon–Graphite Composite toward Highâ€Energy Lithiumâ€ion Batteries. Advanced Materials, 2020, 32, e2003286. 21   14 Robust Pitch on Silicon Nanolayer–Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 15   15 Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 36   16 Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€kon Batteries. Advanced Energy Materials, 2017, 7, 1700071. 15   17 A Micrometerâ€Eized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095. 21	Micron-sized Fe–Cu–Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2016, 9, 1251-1257.	30.8	147
12 Advances and Prospects of Sulfide Allâ€Golidâ€Gtate Lithium Batteries via Oneâ€toâ€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376. 21   13 Calenderingâ€Compatible Macroporous Architecture for Silicon–Graphite Composite toward Higha€Energy Lithiumâ€hon Batteries. Advanced Materials, 2020, 32, e2003286. 21   14 Robust Pitch on Silicon Nanolayer–Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 15   15 Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 33   16 Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€kon Batteries. Advanced Energy Materials, 2017, 7, 1700071. 15   17 A Micrometerâ€6ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095. 21	Flexible High-Energy Li-Ion Batteries with Fast-Charging Capability. Nano Letters, 2014, 14, 4083-4089.	9.1	122
13 Calenderingâ€Compatible Macroporous Architecture for Silicon–Graphite Composite toward Highâ€Energy Lithiumâ€ion Batteries. Advanced Materials, 2020, 32, e2003286. 21   14 Robust Pitch on Silicon Nanolayer–Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121. 15   15 Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175. 34   16 Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€ion Batteries. Advanced 16   17 A Micrometerâ€6ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095. 21	Advances and Prospects of Sulfide All‣olid‣tate Lithium Batteries via Oneâ€ŧoâ€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376.	21.0	119
14Robust Pitch on Silicon Nanolayer–Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121.1515Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175.3816Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€ion Batteries. Advanced Energy Materials, 2017, 7, 1700071.1617A Micrometerâ€6ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095.21	Calenderingâ€Compatible Macroporous Architecture for Silicon–Graphite Composite toward Highâ€Energy Lithiumâ€Ion Batteries. Advanced Materials, 2020, 32, e2003286.	21.0	111
15Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175.3916Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€ion Batteries. Advanced Energy Materials, 2017, 7, 1700071.1917A Micrometer‣ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095.21	Robust Pitch on Silicon Nanolayer–Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121.	19.5	107
16 Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded 19   16 Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€Ion Batteries. Advanced 19   17 A Micrometerâ€5ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch 21   17 Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095. 21	Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175.	39.5	107
A Micrometerâ€Sized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095. 21	Oneâ€toâ€One Comparison of Graphiteâ€Blended Negative Electrodes Using Silicon Nanolayerâ€Embedded Graphite versus Commercial Benchmarking Materials for Highâ€Energy Lithiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1700071.	19.5	100
	A Micrometerâ€6ized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. Advanced Materials, 2021, 33, e2103095.	21.0	99
18Towards maximized volumetric capacity via pore-coordinated design for large-volume-change1218lithium-ion battery anodes. Nature Communications, 2019, 10, 475.12	Towards maximized volumetric capacity via pore-coordinated design for large-volume-change lithium-ion battery anodes. Nature Communications, 2019, 10, 475.	12.8	79

SUJONG CHAE

#	Article	IF	CITATIONS
19	A Ternary Ni <sub>46</sub> Co <sub>40</sub> Fe <sub>14</sub> Nanoalloyâ€Based Oxygen Electrocatalyst for Highly Efficient Rechargeable Zinc–Air Batteries. Advanced Materials, 2018, 30, e1803372.	21.0	73
20	Considering Critical Factors of Liâ€rich Cathode and Si Anode Materials for Practical Liâ€ion Cell Applications. Small, 2015, 11, 4058-4073.	10.0	67
21	Hollow Silicon Nanostructures via the Kirkendall Effect. Nano Letters, 2015, 15, 6914-6918.	9.1	67
22	Rational Design of Electrolytes for Long-Term Cycling of Si Anodes over a Wide Temperature Range. ACS Energy Letters, 2021, 6, 387-394.	17.4	58
23	Fabrication of Lamellar Nanosphere Structure for Effective Stressâ€Management in Largeâ€Volumeâ€Variation Anodes of Highâ€Energy Lithiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1900970.	21.0	52
24	Strategic Pore Architecture for Accommodating Volume Change from High Si Content in Lithiumâ€ion Battery Anodes. Advanced Energy Materials, 2020, 10, 1903400.	19.5	50
25	An Antiaging Electrolyte Additive for Highâ€Energyâ€Density Lithiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000563.	19.5	50
26	Gas phase synthesis of amorphous silicon nitride nanoparticles for high-energy LIBs. Energy and Environmental Science, 2020, 13, 1212-1221.	30.8	48
27	Low-Temperature Carbon Coating of Nanosized Li <sub>1.015</sub> Al <sub>0.06</sub> Mn <sub>1.925</sub> O <sub>4</sub> and High-Density Electrode for High-Power Li-Ion Batteries. Nano Letters, 2017, 17, 3744-3751.	9.1	45
28	Optimized Electrolyte with High Electrochemical Stability and Oxygen Solubility for Lithium–Oxygen and Lithium–Air Batteries. ACS Energy Letters, 2020, 5, 2182-2190.	17.4	45
29	Novel design of ultra-fast Si anodes for Li-ion batteries: crystalline Si@amorphous Si encapsulating hard carbon. Nanoscale, 2014, 6, 10604-10610.	5.6	40
30	Effects of Fluorinated Diluents in Localized High oncentration Electrolytes for Lithium–Oxygen Batteries. Advanced Functional Materials, 2021, 31, 2002927.	14.9	39
31	Native Void Space for Maximum Volumetric Capacity in Silicon-Based Anodes. Nano Letters, 2019, 19, 8793-8800.	9.1	36
32	Scalable Synthesis of Hollow β-SiC/Si Anodes <i>via</i> Selective Thermal Oxidation for Lithium-Ion Batteries. ACS Nano, 2020, 14, 11548-11557.	14.6	32
33	Graphit―und‧iliciumâ€Anoden für Lithiumionen―Hochenergiebatterien. Angewandte Chemie, 2020, 132, 112-138.	2.0	23
34	Stable Solid Electrolyte Interphase Layer Formed by Electrochemical Pretreatment of Gel Polymer Coating on Li Metal Anode for Lithium–Oxygen Batteries. ACS Energy Letters, 2021, 6, 3321-3331.	17.4	17
35	Evaluation of the Volumetric Activity of the Air Electrode in a Zinc–Air Battery Using a Nitrogen and Sulfur Co-doped Metal-free Electrocatalyst. ACS Applied Materials & Interfaces, 2020, 12, 57064-57070.	8.0	6
36	Crosslinked Polyethyleneimine Gel Polymer Interface to Improve Cycling Stability of RFBs. Energy Material Advances, 2022, 2022, .	11.0	3

SUJONG CHAE

#	Article	IF	CITATIONS
37	Zinc-Air Batteries: A Ternary Ni46 Co40 Fe14 Nanoalloy-Based Oxygen Electrocatalyst for Highly Efficient Rechargeable Zinc-Air Batteries (Adv. Mater. 46/2018). Advanced Materials, 2018, 30, 1870346.	21.0	1
38	(Invited) Rational Design of Localized High Concentration Electrolytes to Enable Long-Term Cycling of Si Anodes. ECS Meeting Abstracts, 2021, MA2021-01, 120-120.	0.0	0
39	Achieving Highly Reproducible Results in Graphite-Based Li-Ion Full Coin Cells. ECS Meeting Abstracts, 2021, MA2021-02, 408-408.	0.0	0