Hyuk-Jun Noh

List of Publications by Year
in descending order

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51 papers	2,457 citations	331538 21 h-index	223716 46 g-index
52 all docs	52 docs citations	52 times ranked	3520 citing authors

#	Article	IF	Citations
1	Fused aromatic networks as a new class of gas hydrate inhibitors. Chemical Engineering Journal, 2022, 433, 133691.	6.6	7
2	Extreme Enhancement of Carbon Hydrogasification via Mechanochemistry. Angewandte Chemie, 2022, 134, .	1.6	1
3	Neohexene graphitic nanoplatelets for reinforced low-density polyethylene. Journal of Polymer Research, 2022, 29, 1.	1.2	3
4	Extreme Enhancement of Carbon Hydrogasification via Mechanochemistry. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
5	Solution-Processable Semiconducting Conjugated Planar Network. ACS Applied Materials & Interfaces, 2022, 14, 14588-14595.	4.0	0
6	Crystalline Porphyrazineâ€Linked Fused Aromatic Networks with High Proton Conductivity. Angewandte Chemie, 2022, 134, .	1.6	1
7	Crystalline Porphyrazineâ€Linked Fused Aromatic Networks with High Proton Conductivity. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
8	In-Plane Oriented Two-Dimensional Conjugated Metalâ€“Organic Framework Films for High-Performance Humidity Sensing. , 2022, 4, 1146-1153.		7
9	Mechanochemistry for ammonia synthesis under mild conditions. Nature Nanotechnology, 2021, 16, 325-330.	15.6	141
10	Fused Aromatic Network Structures: Fused Aromatic Network with Exceptionally High Carrier Mobility (Adv. Mater. 9/2021). Advanced Materials, 2021, 33, 2170063.	11.1	0
11	Catalystâ€•and Solventâ€Free Synthesis of a Chemically Stable Azaâ€Bridged Bis(phenanthroline) Macrocycleâ€Linked Covalent Organic Framework. Angewandte Chemie, 2021, 133, 17328-17334.	1.6	4
12	Catalystâ€•and Solventâ€Free Synthesis of a Chemically Stable Azaâ€Bridged Bis(phenanthroline) Macrocycleâ€Linked Covalent Organic Framework. Angewandte Chemie - International Edition, 2021, 60, 17191-17197.	7.2	16
13	Fused aromatic networks with the different spatial arrangement of structural units. Cell Reports Physical Science, 2021, 2, 100502.	2.8	3
14	Direct preparation of edge-propylene graphitic nanoplatelets and its reinforcing effects in polypropylene. Composites Communications, 2021, 27, 100896.	3.3	11
15	Benzothiazole-Based Covalent Organic Frameworks with Different Symmetrical Combinations for Photocatalytic CO₂ Conversion. Chemistry of Materials, 2021, 33, 8705-8711.	3.2	38
16	Reinforcement of polystyrene using edge-styrene graphitic nanoplatelets. Journal of Materials Research and Technology, 2021, 10, 662-670.	2.6	14
17	Fused Aromatic Network with Exceptionally High Carrier Mobility. Advanced Materials, 2021, 33, e2004707.	11.1	16
18	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes. Advanced Materials Interfaces, 2021, 8, 2101373.	1.9	3

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19	Direct conversion of aromatic amides into crystalline covalent triazine frameworks by a condensation mechanism. Cell Reports Physical Science, 2021, 2, 100653.	2.8	4
20	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.9	0
21	Nitrogenâ€Doped Carbon Nanomaterials: Synthesis, Characteristics and Applications. Chemistry - an Asian Journal, 2020, 15, 2282-2293.	1.7	100
22	Iron encased organic networks with enhanced lithium storage properties. Energy Storage, 2020, 2, e114.	2.3	4
23	Revealing Isolated Mâ^'N₃C₁ Active Sites for Efficient Collaborative Oxygen Reduction Catalysis. Angewandte Chemie - International Edition, 2020, 59, 23678-23683.	7.2	64
24	Revealing Isolated Mâ^'N 3 C 1 Active Sites for Efficient Collaborative Oxygen Reduction Catalysis. Angewandte Chemie, 2020, 132, 23886-23891.	1.6	9
25	Edgeâ€NF_x (x=1 or 2) Protected Graphitic Nanoplatelets as a Stable Lithium Storage Material. Batteries and Supercaps, 2020, 3, 928-935.	2.4	6
26	Identifying the electrocatalytic active sites of a Ru-based catalyst with high Faraday efficiency in CO₂-saturated media for an aqueous Znâ€“CO₂ system. Journal of Materials Chemistry A, 2020, 8, 14927-14934.	5.2	16
27	Ruthenium anchored on carbon nanotube electrocatalyst for hydrogen production with enhanced Faradaic efficiency. Nature Communications, 2020, 11, 1278.	5.8	340
28	Two-dimensional amine and hydroxy functionalized fused aromatic covalent organic framework. Communications Chemistry, 2020, 3, .	2.0	40
29	Vertical two-dimensional layered fused aromatic ladder structure. Nature Communications, 2020, 11, 2021.	5.8	29
30	Converting Unstable Imine-Linked Network into Stable Aromatic Benzoxazole-Linked One via Post-oxidative Cyclization. Journal of the American Chemical Society, 2019, 141, 11786-11790.	6.6	100
31	Forming layered conjugated porous BBL structures. Polymer Chemistry, 2019, 10, 4185-4193.	1.9	13
32	Metal (MÂ= Ru, Pd and Co) embedded in C2N with enhanced lithium storage properties. Materials Today Energy, 2019, 14, 100359.	2.5	13
33	Dissociating stable nitrogen molecules under mild conditions by cyclic strain engineering. Science Advances, 2019, 5, eaax8275.	4.7	9
34	Balancing hydrogen adsorption/desorption by orbital modulation for efficient hydrogen evolution catalysis. Nature Communications, 2019, 10, 4060.	5.8	131
35	Identifying the structure of Zn-N2 active sites and structural activation. Nature Communications, 2019, 10, 2623.	5.8	79
36	Edge-thionic acid-functionalized graphene nanoplatelets as anode materials for high-rate lithium ion batteries. Nano Energy, 2019, 62, 419-425.	8.2	44

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37	Lowâ€Temperature Conversion of Alcohols into Bulky Nanoporous Graphene and Pure Hydrogen with Robust Selectivity on CaO. Advanced Materials, 2019, 31, e1807267.	11.1	22
38	Direct Synthesis of a Covalent Triazineâ€Based Framework from Aromatic Amides. Angewandte Chemie - International Edition, 2018, 57, 8438-8442.	7.2	196
39	Direct Synthesis of a Covalent Triazineâ€Based Framework from Aromatic Amides. Angewandte Chemie, 2018, 130, 8574-8578.	1.6	40
40	A Robust 3D Cageâ€like Ultramicroporous Network Structure with High Gasâ€Uptake Capacity. Angewandte Chemie, 2018, 130, 3473-3478.	1.6	6
41	A Robust 3D Cageâ€like Ultramicroporous Network Structure with High Gasâ€Uptake Capacity. Angewandte Chemie - International Edition, 2018, 57, 3415-3420.	7.2	40
42	Direct and efficient conversion from low-quality graphite to high-quality graphene nanoplatelets. FlatChem, 2018, 12, 10-16.	2.8	6
43	Hydrogen Evolution Reaction: Encapsulating Iridium Nanoparticles Inside a 3D Cageâ€Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	11.1	2
44	Encapsulating Iridium Nanoparticles Inside a 3D Cageâ€Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction. Advanced Materials, 2018, 30, e1805606.	11.1	98
45	Hydrogen Evolution Reaction: Mechanochemically Assisted Synthesis of a Ru Catalyst for Hydrogen Evolution with Performance Superior to Pt in Both Acidic and Alkaline Media (Adv. Mater. 44/2018). Advanced Materials, 2018, 30, 1870330.	11.1	21
46	Mechanochemically Assisted Synthesis of a Ru Catalyst for Hydrogen Evolution with Performance Superior to Pt in Both Acidic and Alkaline Media. Advanced Materials, 2018, 30, e1803676.	11.1	173
47	Construction of Porous Mo₃P/Mo Nanobelts as Catalysts for Efficient Water Splitting. Angewandte Chemie, 2018, 130, 14335-14339.	1.6	58
48	Construction of Porous Mo₃P/Mo Nanobelts as Catalysts for Efficient Water Splitting. Angewandte Chemie - International Edition, 2018, 57, 14139-14143.	7.2	70
49	Hyperbranched Macromolecules: From Synthesis to Applications. Molecules, 2018, 23, 657.	1.7	43
50	Boosting oxygen reduction catalysis with abundant copper single atom active sites. Energy and Environmental Science, 2018, 11, 2263-2269.	15.6	405
51	Fused Aromatic Networks with the Different Spacial Arrangement of Structural Units. SSRN Electronic Journal, 0, , .	0.4	0