Chade Lv

List of Publications by Year in Descending Order

74 papers	3,398 citations	32 h-index	57 g-index
79 ext. papers	4,360 ext. citations	10.5 avg, IF	5.74 L-index

#	Paper	IF	Citations
74	Iron selenide nanoparticles-encapsulated within bamboo-like N-doped carbon nanotubes as composite anodes for superior lithium and sodium-ion storage. *Chemical Engineering Journal*, **2022**, 435, 135185	14.7	0
73	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions.. *ACS Nano*, **2022**,	16.7	12
72	Dual Ions Intercalation Drives High-Performance Aqueous Zn-Ion Storage on Birnessite-Type Manganese Oxides Cathode. *Energy Storage Materials*, **2022**,	19.4	3
71	An in-plane S-scheme heterostructure drives H2 production with water and solar energy. *Chemical Engineering Journal*, **2022**, 437, 135280	14.7	1
70	Realizing improved CO2 photoreduction in Z-scheme Bi4O5Br2/AgBr heterostructure. *Applied Surface Science*, **2022**, 598, 153758	6.7	1
69	Low-temperature solid-state synthesis of interlayer engineered VS4 for high-capacity and ultrafast sodium-ion storage. *Chemical Engineering Journal*, **2021**, 133765	14.7	0
68	A broom-like tube-in-tube bundle O-doped graphitic carbon nitride nanoreactor that promotes photocatalytic hydrogen evolution. *Chemical Engineering Journal*, **2021**, 431, 133898	14.7	2
67	Mobile robot integrated navigation algorithm based on template matching VO/IMU/UWB. *IEEE Sensors Journal*, **2021**, 1-1	4	2
66	Single-Atom Fe Triggers Superb CO2 Photoreduction on a Bismuth-Rich Catalyst **2021**, 3, 364-371		12
65	Integration of cobalt selenide nanocrystals with interlayer expanded 3D Se/N Co-doped carbon networks for superior sodium-ion storage. *Journal of Energy Chemistry*, **2021**, 55, 169-175	12	10
64	Monocular Visual Odometry Using Template Matching and IMU. *IEEE Sensors Journal*, **2021**, 21, 17207-17218	4	2
63	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. *Advanced Materials*, **2021**, e2101474	24	14
62	Interface engineering on cobalt selenide composites enables superior Alkali-Ion storage. *Chemical Engineering Journal*, **2021**, 419, 129490	14.7	4
61	Cyano group modified g-C3N4: Molten salt method achievement and promoted photocatalytic nitrogen fixation activity. *Applied Surface Science*, **2020**, 515, 146009	6.7	30
60	A 1D Honeycomb-Like Amorphous Zincic Vanadate for Stable and Fast Sodium-Ion Storage. *Small*, **2020**, 16, e1906214	11	13
59	Fabrication and study of the synergistic effect of Janus Ni2P/Ni5P4 embedded in N-doped carbon as efficient electrocatalysts for hydrogen evolution reaction. *Catalysis Science and Technology*, **2020**, 10, 1023-1029	5.5	4
58	Amorphous engineered cerium oxides photocatalyst for efficient nitrogen fixation. *Applied Catalysis B: Environmental*, **2020**, 264, 118416	21.8	28

57	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. *Small*, **2020**, 16, e2003914	11	41
56	Architecting a Stable High-Energy Aqueous Al-Ion Battery. *Journal of the American Chemical Society*, **2020**, 142, 15295-15304	16.4	94
55	Boosting Electrocatalytic Ammonia Production through Mimicking Back-Donation *CheM*, **2020**, 6, 2690-2702	16.2	52
54	Promoting Electrocatalytic Hydrogen Evolution Reaction and Oxygen Evolution Reaction by Fields: Effects of Electric Field, Magnetic Field, Strain, and Light. *Small Methods*, **2020**, 4, 2000494	12.8	36
53	High-efficiency Fe-Mediated Bi2MoO6 nitrogen-fixing photocatalyst: Reduced surface work function and ameliorated surface reaction. *Applied Catalysis B: Environmental*, **2019**, 256, 117781	21.8	73
52	Oxygen Vacancy Engineering of Bi O Cl for Boosted Photocatalytic CO Conversion. *ChemSusChem*, **2019**, 12, 2740-2747	8.3	48
51	Electric field effect in a Co3O4/TiO2 p junction for superior lithium-ion storage. *Materials Chemistry Frontiers*, **2019**, 3, 909-915	7.8	9
50	A bismuth rich hollow Bi4O5Br2 photocatalyst enables dramatic CO2 reduction activity. *Nano Energy*, **2019**, 64, 103955	17.1	81
49	Mimicking Backdonation in Ce-MOFs for Solar-Driven Ammonia Synthesis. *ACS Applied Materials & Interfaces*, **2019**, 11, 29917-29923	9.5	41
48	UWB/Binocular VO Fusion Algorithm Based on Adaptive Kalman Filter. *Sensors*, **2019**, 19,	3.8	1
47	Dual Tuning of Composition and Nanostructure of Hierarchical Hollow Nanopolyhedra Assembled by NiCo-Layered Double Hydroxide Nanosheets for Efficient Electrocatalytic Oxygen Evolution. *ACS Applied Energy Materials*, **2019**, 2, 312-319	6.1	21
46	NiO Quantum Dot Modified TiO2 toward Robust Hydrogen Production Performance. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 889-896	8.3	24
45	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie*, **2018**, 130, 6181-6184	3.6	107
44	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 6073-6076	16.4	443
43	Integrating both homojunction and heterojunction in QDs self-decorated Bi2MoO6/BCN composites to achieve an efficient photocatalyst for Cr(VI) reduction. *Chemical Engineering Journal*, **2018**, 334, 334-343	14.7	57
42	Enabling Nitrogen Fixation on Bi2WO6 Photocatalyst by c-PAN Surface Decoration. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11190-11195	8.3	32
41	Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. *ACS Nano*, **2018**, 12, 8670-8677	16.7	36
40	Construction of 2D-composite HCa2Nb3O10/CaNb2O6 heterostructured photocatalysts with enhanced hydrogen production performance. *New Journal of Chemistry*, **2018**, 42, 681-687	3.6	12

39	Molecular adsorption promotes carrier migration: Key step for molecular oxygen activation of defective Bi4O5I2. *Applied Catalysis B: Environmental*, **2018**, 226, 53-60	21.8	60
38	Realizing the regulated carrier separation and exciton generation of Bi24O31Cl10via a carbon doping strategy. *Journal of Materials Chemistry A*, **2018**, 6, 24350-24357	13	25
37	Heterogeneous Molten Salt Design Strategy toward Coupling Cobalt□Cobalt Oxide and Carbon for Efficient Energy Conversion and Storage. *Advanced Energy Materials*, **2018**, 8, 1800762	21.8	41
36	R□ktitelbild: An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions (Angew. Chem. 21/2018). *Angewandte Chemie*, **2018**, 130, 6462-6462	3.6	
35	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie*, **2018**, 130, 10403-10407	3.6	86
34	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 10246-10250	16.4	456
33	Achieving Ni3V2O8 amorphous wire encapsulated in crystalline tube nanostructure as anode materials for lithium ion batteries. *Nano Energy*, **2017**, 33, 138-145	17.1	82
32	Organic salt induced electrospinning gradient effect: Achievement of BiVO 4 nanotubes with promoted photocatalytic performance. *Applied Catalysis B: Environmental*, **2017**, 208, 14-21	21.8	43
31	Design and fabrication of Co3V2O8 nanotubes by electrospinning as a high-performance anode for lithium-ion batteries. *New Journal of Chemistry*, **2017**, 41, 5974-5980	3.6	14
30	One-dimensional Co3O4 nanonet with enhanced rate performance for lithium ion batteries: Carbonyl-□cyclodextrin inducing and kinetic analysis. *Chemical Engineering Journal*, **2017**, 321, 31-39	14.7	21
29	Engineering 2D Nanofluidic Li-Ion Transport Channels for Superior Electrochemical Energy Storage. *Advanced Materials*, **2017**, 29, 1703909	24	81
28	Engineering Mesoporous Single Crystals Co-Doped FeO for High-Performance Lithium Ion Batteries. *Inorganic Chemistry*, **2017**, 56, 7642-7649	5.1	35
27	Oxygen-Induced Bi-Self-Doped BiVO with a p-n Homojunction Toward Promoting the Photocatalytic Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 23748-23755	9.5	65
26	The synthesis of elegant hierarchical CdS via a facile hydrothermal method assisted by inorganic salt, with photocorrosion inhibition. *CrystEngComm*, **2016**, 18, 7523-7529	3.3	9
25	A novel anode comprised of C&N co-doped Co3O4 hollow nanofibres with excellent performance for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 19531-5	3.6	23
24	Template-free preparation of mesoporous single crystal In2O3 achieving superior ethanol gas sensing performance. *RSC Advances*, **2016**, 6, 14615-14619	3.7	15
23	In Situ Fabrication of Bi2WO6/MoS2/RGO Heterojunction with Nanosized Interfacial Contact via Confined Space Effect toward Enhanced Photocatalytic Properties. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5936-5942	8.3	46
22	Template-Based Engineering of Carbon-Doped Co3O4 Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 1428-1436	15.6	342

21	Construction of □Phase Junction on Bi4V2O11 via Electrospinning Retardation Effect and Its Promoted Photocatalytic Performance. *Inorganic Chemistry*, **2016**, 55, 4782-9	5.1	36
20	Electrospinning technique synthesis and electrical performances of one dimensional Ca2Co2O5 with hierarchical structure. *Materials Letters*, **2015**, 158, 182-185	3.3	6
19	Realizing nanosized interfacial contact via constructing BiVO4/Bi4V2O11 element-copied heterojunction nanofibres for superior photocatalytic properties. *Applied Catalysis B: Environmental* , **2015**, 179, 54-60	21.8	76
18	A novel visible light-driven silver isocyanate photocatalyst: superior stability enhanced by intrinsic resonance effect. *RSC Advances*, **2015**, 5, 96265-96271	3.7	4
17	Molten Salt Synthesis of BiOClxBr1□ with Enhanced Photocatalytic Activity Under Visible Light. *Energy and Environment Focus*, **2015**, 4, 157-163		2
16	A facile approach to construct BiOI/Bi5O7I composites with heterostructures: efficient charge separation and enhanced photocatalytic activity. *RSC Advances*, **2015**, 5, 74174-74179	3.7	29
15	Durability, inactivation and regeneration of silver tetratantalate in photocatalytic H2 evolution. *Physical Chemistry Chemical Physics*, **2015**, 17, 795-9	3.6	13
14	One-dimensional Bi2O3 QD-decorated BiVO4 nanofibers: electrospinning synthesis, phase separation mechanism and enhanced photocatalytic performance. *RSC Advances*, **2015**, 5, 3767-3773	3.7	19
13	Controllable synthesis of In2O3 octodecahedra exposing {110} facets with enhanced gas sensing performance. *RSC Advances*, **2015**, 5, 44306-44312	3.7	37
12	A thin empty-shell bismuth tungstate hierarchical structure constructed by the acid sculpture effect with improved visible-light photocatalytic activity. *New Journal of Chemistry*, **2015**, 39, 4384-4390	3.6	17
11	Edge dislocation surface modification: A new and efficient strategy for realizing outstanding lithium storage performance. *Nano Energy*, **2015**, 15, 558-566	17.1	35
10	Stabilising a Mn3O4 nanosheet on graphene via forming a 2D□D nanostructure for improvement of lithium storage. *RSC Advances*, **2015**, 5, 106206-106212	3.7	10
9	Controllable and facile synthesis of nearly monodisperse 18-facet indium hydroxide polyhedra. *New Journal of Chemistry*, **2015**, 39, 1930-1937	3.6	8
8	Highly-effective photocatalytic properties and interfacial transfer efficiencies of charge carriers for the novel Ag□O□AgX heterojunctions achieved by surface modification. *Dalton Transactions*, **2014**, 43, 7282-9	4.3	63
7	An advanced Ag-based photocatalyst Ag2Ta4O11 with outstanding activity, durability and universality for removing organic dyes. *Physical Chemistry Chemical Physics*, **2014**, 16, 23915-21	3.6	42
6	Stability, durability and regeneration ability of a novel Ag-based photocatalyst, Ag2Nb4O11. *Chemical Communications*, **2014**, 50, 6596-9	5.8	62
5	Construction of Bi2WO6 homojunction via QDs self-decoration and its improved separation efficiency of charge carriers and photocatalytic ability. *Applied Catalysis B: Environmental*, **2014**, 160-161, 383-389	21.8	75
4	Well-defined Sb2S3 nanostructures: citric acid-assisted synthesis, electrochemical hydrogen storage properties. *Crystal Research and Technology*, **2013**, 48, 566-573	1.3	8

3	Engineering Reductive Iron on a Layered Double Hydroxide Electrocatalyst for Facilitating Nitrogen Reduction Reaction. *Advanced Materials Interfaces*,2102242	4.6	5
2	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. *Nature Sustainability*,	22.1	48
1	g-C 3 N 4 /SnS 2 van der Waals Heterostructures Enabling High-Efficiency Photocatalytic Hydrogen Evolution. *Advanced Materials Interfaces*,2200153	4.6	4