San Ping Jiang

List of Publications by Year in Descending Order

454 papers	21,539 citations	76 h-index	120 g-index
483 ext. papers	24,647 ext. citations	7.2 avg, IF	7.67 L-index

#	Paper	IF	Citations
454	Boosting Electrocatalytic Activity of Single Atom Catalysts Supported on Nitrogen-Doped Carbon through N Coordination Environment Engineering.. *Small*, **2022**, e2105329	11	19
453	A hybrid catalyst coating for a high-performance and chromium-resistive cathode of solid oxide fuel cells. *Chemical Engineering Journal*, **2022**, 431, 134281	14.7	1
452	Development of intertwined nanostructured multi-phase air electrodes for efficient and durable reversible solid oxide cells. *Applied Catalysis B: Environmental*, **2022**, 305, 121056	21.8	4
451	Solid Oxide Fuel Cells: Fabrication and Microstructure **2022**, 561-620		
450	Polymer Electrolyte Membrane Fuel Cells: Principles and Materials **2022**, 173-228		
449	Solid Oxide Fuel Cells: Principles and Materials **2022**, 357-424		
448	Solid Oxide Fuel Cells: Techniques and Characterization **2022**, 497-560		
447	Solid Oxide Fuel Cells: Reactions **2022**, 425-495		
446	Polymer Electrolyte Membrane Fuel Cells: Fabrication and Characterization **2022**, 229-289		
445	High-Temperature Polymer Electrolyte Membrane Fuel Cells **2022**, 325-354		
444	Alkaline Fuel Cells **2022**, 623-648		
443	Protonic Ceramic Oxide Fuel Cells, Microbial Fuel Cells, and Biofuel Cells **2022**, 695-721		
442	Fuel Cell Electrochemistry **2022**, 69-122		
441	Fuels for Fuel Cells **2022**, 123-170		
440	New Undisputed Evidence and Strategy for Enhanced Lattice-Oxygen Participation of Perovskite Electrocatalyst through Cation Deficiency Manipulation.. *Advanced Science*, **2022**, e2200530	13.6	15
439	The structure□ctivity correlation of single-site Ni catalysts dispersed onto porous carbon spheres toward electrochemical CO2 reduction. *Fuel*, **2022**, 321, 124043	7.1	1
438	Facile preparation of electrodes of efficient electrolyte-supported solid oxide fuel cells using a direct assembly approach. *Electrochimica Acta*, **2022**, 424, 140643	6.7	1

437	A New Durable Surface Nanoparticles-Modified Perovskite Cathode for Protonic Ceramic Fuel Cells from Selective Cation Exsolution under Oxidizing Atmosphere.. *Advanced Materials*, **2021**, e2106379	24	13
436	Modulating metal□rganic frameworks for catalyzing acidic oxygen evolution for proton exchange membrane water electrolysis. *SusMat*, **2021**, 1, 460-481		12
435	Facile co-synthesis and utilization of ultrafine and highly active PrBa0.8Ca0.2Co2O5+□Gd0.2Ce0.8O1.9 composite cathodes for solid oxide fuel cells. *Electrochimica Acta*, **2021**, 139673	6.7	7
434	Layered g-C3N4/TiO2 nanocomposites for efficient photocatalytic water splitting and CO2 reduction: A review. *Materials Today Energy*, **2021**, 23, 100904	7	7
433	Electrochemistry-Assisted Photoelectrochemical Reduction of Nitrogen to Ammonia. *Journal of Physical Chemistry C*, **2021**, 125, 23041-23049	3.8	3
432	Electrode/electrolyte interface and interface reactions of solid oxide cells: Recent development and advances. *Progress in Natural Science: Materials International*, **2021**, 31, 341-341	3.6	11
431	Single Atom Catalysts: Designed Iron Single Atom Catalysts for Highly Efficient Oxygen Reduction Reaction in Alkaline and Acid Media (Adv. Mater. Interfaces 8/2021). *Advanced Materials Interfaces*, **2021**, 8, 2170044	4.6	
430	Ni diffusion in vertical growth of MoS2 nanosheets on carbon nanotubes towards highly efficient hydrogen evolution. *Carbon*, **2021**, 175, 176-186	10.4	28
429	Progress on direct assembly approach for in situ fabrication of electrodes of reversible solid oxide cells. *Materials Reports Energy*, **2021**, 1, 100023		3
428	High-Performance Perovskite Composite Electrocatalysts Enabled by Controllable Interface Engineering. *Small*, **2021**, 17, e2101573	11	44
427	Nitrogen and Phosphate Co-doped Graphene as Efficient Bifunctional Electrocatalysts by Precursor Modulation Strategy for Oxygen Reduction and Evolution Reactions. *ChemElectroChem*, **2021**, 8, 3262-3272	4.3	2
426	Active sites engineering via tuning configuration between graphitic-N and thiophenic-S dopants in one-step synthesized graphene nanosheets for efficient water-cycled electrocatalysis. *Chemical Engineering Journal*, **2021**, 416, 129096	14.7	11
425	Bright and tunable photoluminescence from the assembly of red g-C3N4 nanosheets. *Journal of Luminescence*, **2021**, 235, 118055	3.8	4
424	Effects of phosphotungstic acid on performance of phosphoric acid doped polyethersulfone-polyvinylpyrrolidone membranes for high temperature fuel cells. *International Journal of Hydrogen Energy*, **2021**, 46, 11104-11114	6.7	10
423	First demonstration of phosphate enhanced atomically dispersed bimetallic FeCu catalysts as Pt-free cathodes for high temperature phosphoric acid doped polybenzimidazole fuel cells. *Applied Catalysis B: Environmental*, **2021**, 284, 119717	21.8	11
422	Designed Iron Single Atom Catalysts for Highly Efficient Oxygen Reduction Reaction in Alkaline and Acid Media. *Advanced Materials Interfaces*, **2021**, 8, 2001788	4.6	5
421	A comparative study of surface segregation and interface of La0□6Sr0□4Co0□2Fe0□8O3-□electrode on GDC and YSZ electrolytes of solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2021**, 46, 2606-2616	6.7	13
420	An Efficient Bio-inspired Oxygen Reduction Reaction Catalyst: MnOx Nanosheets Incorporated Iron Phthalocyanine Functionalized Graphene. *Energy and Environmental Materials*, **2021**, 4, 474-480	13	6

419	Development of nickel based cermet anode materials in solid oxide fuel cells Now and future. *Materials Reports Energy*, **2021**, 1, 100003		12
418	Fe atoms anchored on defective nitrogen doped hollow carbon spheres as efficient electrocatalysts for oxygen reduction reaction. *Nano Research*, **2021**, 14, 1069-1077	10	31
417	Defects-rich porous carbon microspheres as green electrocatalysts for efficient and stable oxygen-reduction reaction over a wide range of pH values. *Chemical Engineering Journal*, **2021**, 406, 126883	14.7	31
416	Coupling hydrothermal and photothermal single-atom catalysis toward excellent water splitting to hydrogen. *Applied Catalysis B: Environmental*, **2021**, 283, 119660	21.8	38
415	A template-free method to synthesis high density iron single atoms anchored on carbon nanotubes for high temperature polymer electrolyte membrane fuel cells. *Nano Energy*, **2021**, 80, 105534	17.1	16
414	Horizontally growth of WS2/WO3 heterostructures on crystalline g-C3N4 nanosheets towards enhanced photo/electrochemical performance. *Journal of Nanostructure in Chemistry*, **2021**, 11, 367-380	7.6	6
413	Cobalt Single Atoms Embedded in Nitrogen-Doped Graphene for Selective Oxidation of Benzyl Alcohol by Activated Peroxymonosulfate. *Small*, **2021**, 17, e2004579	11	15
412	The edge-epitaxial growth of yellow g-CN on red g-CN nanosheets with superior photocatalytic activities. *Chemical Communications*, **2021**, 57, 3119-3122	5.8	15
411	Pt nanoparticles embedded spine-like g-CN nanostructures with superior photocatalytic activity for H generation and CO reduction. *Nanotechnology*, **2021**, 32, 175401	3.4	9
410	Precursor modulated active sites of nitrogen doped graphene-based carbon catalysts via one-step pyrolysis method for the enhanced oxygen reduction reaction. *Electrochimica Acta*, **2021**, 370, 137712	6.7	12
409	Efficient Reversible Conversion between MoS and Mo/Na S Enabled by Graphene-Supported Single Atom Catalysts. *Advanced Materials*, **2021**, 33, e2007090	24	46
408	Transition metals decorated g-C3N4/N-doped carbon nanotube catalysts for water splitting: A review. *Journal of Electroanalytical Chemistry*, **2021**, 895, 115510	4.1	12
407	NiCo-layered double hydroxide/g-C3N4 heterostructures with enhanced adsorption capacity and photoreduction of Cr(VI). *Applied Surface Science*, **2021**, 556, 149772	6.7	4
406	Identification of the hydrogen utilization pathway for the electrocatalytic hydrogenation of phenol. *Science China Chemistry*, **2021**, 64, 1586-1595	7.9	2
405	Anodic polarization creates an electrocatalytically active Ni anode/electrolyte interface and mitigates the coarsening of Ni phase in SOFC. *Electrochimica Acta*, **2021**, 391, 138912	6.7	5
404	Ni clusters-derived 2D/2D layered WOx(MoS2)/Ni-g-C3N4 step-scheme heterojunctions with enhanced photo- and electro-catalytic performance. *Journal of Power Sources*, **2021**, 510, 230420	8.9	11
403	Pt clusters embedded in g-C3N4 nanosheets to form Z-scheme heterostructures with enhanced photochemical performance. *Surfaces and Interfaces*, **2021**, 27, 101450	4.1	2
402	Pd nanoparticles assembled on Ni- and N-doped carbon nanotubes towards superior electrochemical activity. *International Journal of Hydrogen Energy*, **2021**, 46, 2065-2074	6.7	12

401	Atomically dispersed cobalt on graphitic carbon nitride as a robust catalyst for selective oxidation of ethylbenzene by peroxymonosulfate. *Journal of Materials Chemistry A*, **2021**, 9, 3029-3035	13	11
400	Toward an Understanding of the Reversible Li-CO Batteries over Metal-N-Functionalized Graphene Electrocatalysts.. *ACS Nano*, **2021**,	16.7	10
399	Intercalation pseudocapacitance in electrochemical energy storage: recent advances in fundamental understanding and materials development. *Materials Today Advances*, **2020**, 7, 100072	7.4	36
398	Accelerating effect of polarization on electrode/electrolyte interface generation and electrocatalytic performance of Er0.4Bi1.6O3 decorated Sm0.95CoO3-□ cathodes. *Journal of Power Sources*, **2020**, 465, 228281	8.9	13
397	Identifying the Intrinsic Relationship between the Restructured Oxide Layer and Oxygen Evolution Reaction Performance on the Cobalt Pnictide Catalyst. *Small*, **2020**, 16, e1906867	11	31
396	Intrinsic Effect of Carbon Supports on the Activity and Stability of Precious Metal Based Catalysts for Electrocatalytic Alcohol Oxidation in Fuel Cells: A Review. *ChemSusChem*, **2020**, 13, 2484-2502	8.3	29
395	Defect repair of tin selenide photocathode via in situ selenization: enhanced photoelectrochemical performance and environmental stability. *Journal of Materials Chemistry A*, **2020**, 8, 5342-5349	13	4
394	Bifunctional Catalysts for Reversible Oxygen Evolution Reaction and Oxygen Reduction Reaction. *Chemistry - A European Journal*, **2020**, 26, 3906	4.8	35
393	Controlled One-pot Synthesis of Nickel Single Atoms Embedded in Carbon Nanotube and Graphene Supports with High Loading. *ChemNanoMat*, **2020**, 6, 1063-1074	3.5	6
392	Substantially Enhanced Power Output and Durability of Direct Formic Acid Fuel Cells at Elevated Temperatures. *Advanced Sustainable Systems*, **2020**, 4, 2000065	5.9	9
391	Advancement toward Polymer Electrolyte Membrane Fuel Cells at Elevated Temperatures. *Research*, **2020**, 2020, 9089405	7.8	17
390	A Universal Seeding Strategy to Synthesize Single Atom Catalysts on 2D Materials for Electrocatalytic Applications. *Advanced Functional Materials*, **2020**, 30, 1906157	15.6	60
389	Rational Design of Ag-Based Catalysts for the Electrochemical CO Reduction to CO: A Review. *ChemSusChem*, **2020**, 13, 39-58	8.3	55
388	Carbon Nanotubes-Supported Pt Electrocatalysts for O□Reduction Reaction-Effect of Number of Nanotube Walls. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 2736-2745	1.3	6
387	Significantly enhanced performance of direct methanol fuel cells at elevated temperatures. *Journal of Power Sources*, **2020**, 450, 227620	8.9	14
386	Theoretical Calculation Guided Design of Single-Atom Catalysts toward Fast Kinetic and Long-Life Li-S Batteries. *Nano Letters*, **2020**, 20, 1252-1261	11.5	194
385	Metal-organic frameworks derived porous carbon, metal oxides and metal sulfides-based compounds for supercapacitors application. *Energy Storage Materials*, **2020**, 26, 1-22	19.4	110
384	Oxygen vacancy defects modulated electrocatalytic activity of iron-nickel layered double hydroxide on Ni foam as highly active electrodes for oxygen evolution reaction. *Electrochimica Acta*, **2020**, 331, 135395	6.7	33

383	Verification and applicability of symmetric cell configuration for mechanistic study of oxygen electrode reactions of solid oxide cells. *Solid State Ionics*, **2020**, 357, 115457	3.3	2
382	Future prospects for the design of state-of-the-art solid oxide fuel cells. *JPhys Energy*, **2020**, 2, 031001	4.9	8
381	Photo-chemical property evolution of superior thin g-C3N4 nanosheets with their crystallinity and Pt deposition. *International Journal of Hydrogen Energy*, **2020**, 45, 21523-21531	6.7	15
380	Controlling Mn Emission in CsPbCl3 Nanocrystals via Ion Exchange toward Enhanced and Tunable White Photoluminescence. *Journal of Physical Chemistry C*, **2020**, 124, 27032-27039	3.8	16
379	Vertically aligned MoS2 nanosheets on N-doped carbon nanotubes with NiFe alloy for overall water splitting. *Inorganic Chemistry Frontiers*, **2020**, 7, 3578-3587	6.8	16
378	Surface Segregation in Solid Oxide Cell Oxygen Electrodes: Phenomena, Mitigation Strategies and Electrochemical Properties. *Electrochemical Energy Reviews*, **2020**, 3, 730-765	29.3	27
377	A Function-Separated Design of Electrode for Realizing High-Performance Hybrid Zinc Battery. *Advanced Energy Materials*, **2020**, 10, 2002992	21.8	36
376	Fusiform-Shaped g-C N Capsules with Superior Photocatalytic Activity. *Small*, **2020**, 16, e2003910	11	19
375	WOx/g-C3N4 layered heterostructures with controlled crystallinity towards superior photocatalytic degradation and H2 generation. *Carbon*, **2020**, 156, 488-498	10.4	30
374	Construction of 2D g-CN lateral-like homostructures and their photo- and electro-catalytic activities. *Chemical Communications*, **2019**, 55, 1233-1236	5.8	36
373	The Structure Activity Relationship in Membranes for Vanadium Redox Flow Batteries. *Advanced Sustainable Systems*, **2019**, 3, 1900020	5.9	11
372	Atomically Dispersed Bimetallic FeNi Catalysts as Highly Efficient Bifunctional Catalysts for Reversible Oxygen Evolution and Oxygen Reduction Reactions. *ChemElectroChem*, **2019**, 6, 3478-3487	4.3	32
371	Unique Ni Crystalline Core/Ni Phosphide Amorphous Shell Heterostructured Electrocatalyst for Hydrazine Oxidation Reaction of Fuel Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 19048-19055	9.5	29
370	Combined Cr and S poisoning of La0.8Sr0.2MnO3- (LSM) cathode of solid oxide fuel cells. *Electrochimica Acta*, **2019**, 312, 202-212	6.7	16
369	Efficiency and stability of narrow-gap semiconductor-based photoelectrodes. *Energy and Environmental Science*, **2019**, 12, 2345-2374	35.4	44
368	Effect of BaO impregnation on sulfur tolerance of La0.6Sr0.4Co0.2Fe0.8O3 cathodes of solid oxide fuel cells. *Materials Research Express*, **2019**, 6, 075504	1.7	2
367	Synergistic effects of temperature and polarization on Cr poisoning of La0.6Sr0.4Co0.2Fe0.8O3 solid oxide fuel cell cathodes. *Journal of Materials Chemistry A*, **2019**, 7, 9253-9262	13	16
366	Iron Single Atoms on Graphene as Nonprecious Metal Catalysts for High-Temperature Polymer Electrolyte Membrane Fuel Cells. *Advanced Science*, **2019**, 6, 1802066	13.6	107

365	Tuning the Electrochemical Property of the Ultrafine Metal-oxide Nanoclusters by Iron Phthalocyanine as Efficient Catalysts for Energy Storage and Conversion. *Energy and Environmental Materials*, **2019**, 2, 5-17	13	19
364	Unique MOF-derived hierarchical MnO2 nanotubes@NiCo-LDH/CoS2 nanocage materials as high performance supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 12018-12028	13	124
363	Development of lanthanum strontium cobalt ferrite perovskite electrodes of solid oxide fuel cells □ A review. *International Journal of Hydrogen Energy*, **2019**, 44, 7448-7493	6.7	155
362	Three-dimensional Ni foam supported pristine graphene as a superior oxygen evolution electrode. *International Journal of Hydrogen Energy*, **2019**, 44, 22947-22954	6.7	4
361	Positive Effect of Incorporating Er0.4Bi1.6O3 on the Performance and Stability of La2NiO4+□ Cathode. *Journal of the Electrochemical Society*, **2019**, 166, F796-F804	3.9	10
360	Tuning the Electron Localization of Gold Enables the Control of Nitrogen-to-Ammonia Fixation. *Angewandte Chemie - International Edition*, **2019**, 58, 18604-18609	16.4	102
359	Heterostructured Ni(OH)2/Ni3S2 Supported on Ni Foam as Highly Efficient and Durable Bifunctional Electrodes for Overall Water Electrolysis. *Energy & Fuels*, **2019**, 33, 12052-12062	4.1	23
358	Tuning the Electron Localization of Gold Enables the Control of Nitrogen-to-Ammonia Fixation. *Angewandte Chemie*, **2019**, 131, 18777-18782	3.6	3
357	Atomic Ni Species Anchored N-Doped Carbon Hollow Spheres as Nanoreactors for Efficient Electrochemical CO2 Reduction. *ChemCatChem*, **2019**, 11, 6092-6098	5.2	36
356	Supported Single Atoms as New Class of Catalysts for Electrochemical Reduction of Carbon Dioxide. *Small Methods*, **2019**, 3, 1800440	12.8	104
355	Natural Plant Template-Derived Cellular Framework Porous Carbon as a High-Rate and Long-Life Electrode Material for Energy Storage. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5845-5855	8.3	40
354	In-situ evolution of active layers on commercial stainless steel for stable water splitting. *Applied Catalysis B: Environmental*, **2019**, 248, 277-285	21.8	64
353	Co9S8□Ni3S2 heterointerfaced nanotubes on Ni foam as highly efficient and flexible bifunctional electrodes for water splitting. *Electrochimica Acta*, **2019**, 299, 152-162	6.7	55
352	Photoelectrochemical Synthesis of Ammonia on the Aerophilic-Hydrophilic Heterostructure with 37.8% Efficiency. *CheM*, **2019**, 5, 617-633	16.2	144
351	Unsaturated edge-anchored Ni single atoms on porous microwave exfoliated graphene oxide for electrochemical CO2. *Applied Catalysis B: Environmental*, **2019**, 243, 294-303	21.8	168
350	Nickel Foam-Supported CoCO3@CoSe Nanowires with a Heterostructure Interface for Overall Water Splitting with Low Overpotential and High Efficiency. *Energy Technology*, **2019**, 7, 1800741	3.5	9
349	The electrocatalytic characterization and mechanism of carbon nanotubes with different numbers of walls for the VO/VO redox couple. *Physical Chemistry Chemical Physics*, **2018**, 20, 7791-7797	3.6	9
348	Effect of Gd2O3 doping on structure and boron volatility of borosilicate glass sealants in solid oxide fuel cells□A study on the La0.6Sr0.4Co0.2Fe0.8O3-□(LSCF) cathode. *Journal of Power Sources*, **2018**, 383, 34-41	8.9	10

347	A 3D Multifunctional Architecture for Lithium‐Sulfur Batteries with High Areal Capacity. *Small Methods*, **2018**, 2, 1800067	12.8	28
346	A FIB-STEM Study of Strontium Segregation and Interface Formation of Directly Assembled La0.6Sr0.4Co0.2Fe0.8O3-δ cathode on Y2O3-ZrO2Electrolyte of Solid Oxide Fuel Cells. *Journal of the Electrochemical Society*, **2018**, 165, F417-F429	3.9	29
345	High Temperature Polymer Electrolyte Membrane Fuel Cells for Integrated Fuel Cell–Methanol Reformer Power Systems: A Critical Review. *Advanced Sustainable Systems*, **2018**, 2, 1700184	5.9	30
344	Nanostructured Organic–Inorganic Hybrid Membranes for High-Temperature Proton Exchange Membrane Fuel Cells **2018**, 383-418		2
343	Atomically Dispersed Transition Metals on Carbon Nanotubes with Ultrahigh Loading for Selective Electrochemical Carbon Dioxide Reduction. *Advanced Materials*, **2018**, 30, e1706287	24	352
342	Effect of Carbon Nanotubes on Direct Electron Transfer and Electrocatalytic Activity of Immobilized Glucose Oxidase. *ACS Omega*, **2018**, 3, 667-676	3.9	45
341	Electrochemically substituted metal phthalocyanines, e-MPc (M = Co, Ni), as highly active and selective catalysts for CO2 reduction. *Journal of Materials Chemistry A*, **2018**, 6, 1370-1375	13	34
340	Effect of Pd doping on the activity and stability of directly assembled La0.95Co0.19Fe0.76Pd0.05O3-δ cathodes of solid oxide fuel cells. *Solid State Ionics*, **2018**, 316, 38-46	3.3	13
339	Nb and Pd co-doped La0.57Sr0.38Co0.19Fe0.665Nb0.095Pd0.05O3-δ as a stable, high performance electrode for barrier-layer-free Y2O3-ZrO2 electrolyte of solid oxide fuel cells. *Journal of Power Sources*, **2018**, 378, 433-442	8.9	35
338	Thermodynamic stability mapping and electrochemical study of La1-xSrxCo0.2Fe0.8O3-δ (x=0.2–0.4) as a cathode of solid oxide fuel cells in the presence of SO2. *Electrochimica Acta*, **2018**, 287, 68-77	6.7	6
337	Suppressed Sr segregation and performance of directly assembled La0.6Sr0.4Co0.2Fe0.8O3-δ oxygen electrode on Y2O3-ZrO2 electrolyte of solid oxide electrolysis cells. *Journal of Power Sources*, **2018**, 384, 125-135	8.9	44
336	High performance nanostructured bismuth oxide–cobaltite as a durable oxygen electrode for reversible solid oxide cells. *Journal of Materials Chemistry A*, **2018**, 6, 6510-6520	13	19
335	Sulphur poisoning of solid oxide electrolysis cell anodes. *Electrochimica Acta*, **2018**, 269, 188-195	6.7	10
334	Active, durable bismuth oxide-manganite composite oxygen electrodes: Interface formation induced by cathodic polarization. *Journal of Power Sources*, **2018**, 397, 16-24	8.9	11
333	Single-Atom Catalysts: Atomically Dispersed Transition Metals on Carbon Nanotubes with Ultrahigh Loading for Selective Electrochemical Carbon Dioxide Reduction (Adv. Mater. 13/2018). *Advanced Materials*, **2018**, 30, 1870088	24	7
332	Acid Pretreatment to Enhance Proton Transport of a Polysulfone-Polyvinylpyrrolidone Membrane for Application in Vanadium Redox Flow Batteries. *ChemPlusChem*, **2018**, 83, 909-914	2.8	10
331	Nanocatalysts anchored on nanofiber support for high syngas production via methane partial oxidation. *Applied Catalysis A: General*, **2018**, 565, 119-126	5.1	14
330	Iron Oxide Nanoclusters Incorporated into Iron Phthalocyanine as Highly Active Electrocatalysts for the Oxygen Reduction Reaction. *ChemCatChem*, **2018**, 10, 475-483	5.2	12

329	Unusual synergetic effect of nickel single atoms on the electrocatalytic activity of palladium for alcohol oxidation reactions in alkaline media. *Chemical Communications*, **2018**, 54, 12404-12407	5.8	17
328	In Situ Formation of ErBiO Protective Layer at Cobaltite Cathode/YO-ZrO Electrolyte Interface under Solid Oxide Fuel Cell Operation Conditions. *ACS Applied Materials & Interfaces*, **2018**, 10, 40549-40559	8.5	24
327	Cyclic polarization enhances the operating stability of La0.57Sr0.38Co0.18Fe0.72Nb0.1O3- oxygen electrode of reversible solid oxide cells. *Journal of Power Sources*, **2018**, 404, 73-80	8.9	11
326	High CO tolerance of new SiO2 doped phosphoric acid/polybenzimidazole polymer electrolyte membrane fuel cells at high temperatures of 200250 C. *International Journal of Hydrogen Energy*, **2018**, 43, 22487-22499	6.7	30
325	One-Pot Pyrolysis Method to Fabricate Carbon Nanotube Supported Ni Single-Atom Catalysts with Ultrahigh Loading. *ACS Applied Energy Materials*, **2018**,	6.1	14
324	Highly sulfur poisoning-tolerant BaCeO3-impregnated La0.6Sr0.4Co0.2Fe0.8O3 cathodes for solid oxide fuel cells. *Journal Physics D: Applied Physics*, **2018**, 51, 435502	3	11
323	Crystalline TiO protective layer with graded oxygen defects for efficient and stable silicon-based photocathode. *Nature Communications*, **2018**, 9, 3572	17.4	107
322	Interface formation and Mn segregation of directly assembled La0.8Sr0.2MnO3 cathode on Y2O3-ZrO2 and Gd2O3-CeO2 electrolytes of solid oxide fuel cells. *Solid State Ionics*, **2018**, 325, 176-188	3.3	14
321	Dimensionally stable Ni Fe@Co/Ti nanoporous electrodes by reactive deposition for water electrolysis. *International Journal of Hydrogen Energy*, **2017**, 42, 7143-7150	6.7	5
320	Highly Stable Sr-Free Cobaltite-Based Perovskite Cathodes Directly Assembled on a Barrier-Layer-Free Y O -ZrO Electrolyte of Solid Oxide Fuel Cells. *ChemSusChem*, **2017**, 10, 993-1003	8.3	40
319	Efficient and Durable Bifunctional Oxygen Catalysts Based on NiFeO@MnO Core-Shell Structures for Rechargeable Zn-Air Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 8121-8133	9.5	64
318	From waste Coca Cola to activated carbons with impressive capabilities for CO2 adsorption and supercapacitors. *Carbon*, **2017**, 116, 490-499	10.4	152
317	Prospects of fuel cell technologies. *National Science Review*, **2017**, 4, 163-166	10.8	170
316	Highly active and stable Er0.4Bi1.6O3 decorated La0.76Sr0.19MnO3+ nanostructured oxygen electrodes for reversible solid oxide cells. *Journal of Materials Chemistry A*, **2017**, 5, 12149-12157	13	50
315	Placement of Reference Electrode, Electrolyte Thickness and Three-Electrode Cell Configuration in Solid Oxide Fuel Cells: A Brief Review and Update on Experimental Approach. *Journal of the Electrochemical Society*, **2017**, 164, F834-F844	3.9	19
314	Metal-polydopamine frameworks and their transformation to hollow metal/N-doped carbon particles. *Nanoscale*, **2017**, 9, 5323-5328	7.7	104
313	Graphene oxide/core shell structured metal organic framework nano-sandwiches and their derived cobalt/N-doped carbon nanosheets for oxygen reduction reactions. *Journal of Materials Chemistry A*, **2017**, 5, 10182-10189	13	128
312	Effect of SO2Poisoning on the Electrochemical Activity of La0.6Sr0.4Co0.2Fe0.8O3- Cathodes of Solid Oxide Fuel Cells. *Journal of the Electrochemical Society*, **2017**, 164, F514-F524	3.9	22

311	A La0.8Sr0.2MnO3/La0.6Sr0.4Co0.2Fe0.8O3□core□shell structured cathode by a rapid sintering process for solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2017**, 42, 7246-7251	6.7	14
310	Effects of Nb2O5 and Gd2O3 doping on boron volatility and activity between glass seals and lanthanum-containing cathode. *Journal of the European Ceramic Society*, **2017**, 37, 1547-1555	6	7
309	A FIB-STEM Study of La0.8Sr0.2MnO3Cathode and Y2O3-ZrO2/Gd2O3-CeO2Electrolyte Interfaces of Solid Oxide Fuel Cells. *Journal of the Electrochemical Society*, **2017**, 164, F1437-F1447	3.9	17
308	Role of electrocatalytic properties of infiltrated nanoparticles in the activity of cathodes of solid oxide fuel cells □A case study of infiltrated La0.8Sr0.2CoxMn1-xO3 (x=0, 0.5, and 1) on Pt electrode. *International Journal of Hydrogen Energy*, **2017**, 42, 28807-28815	6.7	5
307	Ion-Exchange-Induced Selective Etching for the Synthesis of Amino-Functionalized Hollow Mesoporous Silica for Elevated-High-Temperature Fuel Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 31922-31930	9.5	19
306	An ordered structured cathode based on vertically aligned Pt nanotubes for ultra-low Pt loading passive direct methanol fuel cells. *Electrochimica Acta*, **2017**, 252, 541-548	6.7	20
305	Proton Transport in Hierarchical-Structured Nafion Membranes: A NMR Study. *Journal of Physical Chemistry Letters*, **2017**, 8, 3624-3629	6.4	10
304	Hierarchical Porous Carbons Derived from Rice Husk for Supercapacitors with High Activity and High Capacitance Retention Capability. *ChemistrySelect*, **2017**, 2, 6438-6445	1.8	9
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