

Fei Wei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

477
papers

43,687
citations

92
h-index

199
g-index

501
ext. papers

47,943
ext. citations

9.9
avg, IF

7.63
L-index

#	Paper	IF	Citations
477	Highly Selective Conversion of CO ₂ or CO into Precursors for Kerosene-Based Aviation Fuel via an Aldol-Aromatic Mechanism. <i>ACS Catalysis</i> , 2022 , 12, 2023-2033	13.1	1
476	Superdurable Bifunctional Oxygen Electrocatalyst for High-Performance Zinc-Air Batteries.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	9
475	Fast In-Situ Optical Visualization of Carbon Nanotubes Assisted by Smoke.. <i>Small Methods</i> , 2022 , 6, e2101333	13.3	1
474	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks.. <i>Advanced Materials</i> , 2022 , e2107062	24	3
473	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry (Adv. Funct. Mater. 11/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270067	15.6	0
472	Lithium diffusion through the TiN coating layer and formation of Li-Si alloy over Si@TiN anode. <i>Chemical Engineering Science</i> , 2022 , 254, 117615	4.4	
471	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry. <i>Advanced Functional Materials</i> , 2022 , 32, 2109401	15.6	0
470	Adsorption and Desorption of Tritium on/from Nuclear Graphite.. <i>ACS Omega</i> , 2022 , 7, 752-760	3.9	
469	In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework.. <i>Science</i> , 2022 , 376, 491-496	33.3	9
468	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks (Adv. Mater. 18/2022). <i>Advanced Materials</i> , 2022 , 34, 2270134	24	
467	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021 , 591, 385-390	50.4	47
466	Resolving atomic SAPO-34/18 intergrowth architectures for methanol conversion by identifying light atoms and bonds. <i>Nature Communications</i> , 2021 , 12, 2212	17.4	6
465	A single-molecule van der Waals compass. <i>Nature</i> , 2021 , 592, 541-544	50.4	28
464	Intrinsic blocking effect of SiO _x on the side reaction with a LiPF ₆ -based electrolyte. <i>Catalysis Today</i> , 2021 , 364, 61-66	5.3	2
463	Tritium adsorption and desorption on/from nuclear graphite edge by a first-principles study. <i>Carbon</i> , 2021 , 173, 676-686	10.4	3
462	Monochromatic Carbon Nanotube Tangles Grown by Microfluidic Switching between Chaos and Fractals. <i>ACS Nano</i> , 2021 , 15, 5129-5137	16.7	2
461	Bandgap-Coupled Template Autocatalysis toward the Growth of High-Purity sp Nanocarbons. <i>Advanced Science</i> , 2021 , 8, 2003078	13.6	5

460	Finite-time stabilization of memristor-based inertial neural networks with time-varying delays combined with interval matrix method. <i>Knowledge-Based Systems</i> , 2021 , 230, 107395	7.3	5
459	The effect of localized strain on the electrical characteristics of curved carbon nanotubes. <i>Journal of Applied Physics</i> , 2021 , 129, 025107	2.5	2
458	Multi-scale analysis of the interaction in ultra-long carbon nanotubes and bundles. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 142, 104032	5	7
457	Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. <i>Nature Communications</i> , 2020 , 11, 2692	17.4	27
456	Controlled growth of crossed ultralong carbon nanotubes by gas flow. <i>Nano Research</i> , 2020 , 13, 1988-1995		6
455	Suppressing the Side Reaction by a Selective Blocking Layer to Enhance the Performance of Si-Based Anodes. <i>Nano Letters</i> , 2020 , 20, 5176-5184	11.5	20
454	Stability Analysis of GasSolid Distribution through Nonidentical Parallel Paths. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6707-6715	3.9	6
453	Selective Conversion of Syngas into Tetramethylbenzene via an Aldol-Aromatic Mechanism. <i>ACS Catalysis</i> , 2020 , 10, 2477-2488	13.1	22
452	Catalytic methane technology for carbon nanotubes and graphene. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 991-1004	4.9	8
451	Transport Phenomena in Zeolites in View of Graph Theory and Pseudo-Phase Transition. <i>Small</i> , 2020 , 16, e1901979	11	3
450	Model and experimental study of relationship between solid fraction and back-mixing in a fluidized bed. <i>Powder Technology</i> , 2020 , 363, 146-151	5.2	10
449	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. <i>Materials Science and Engineering C</i> , 2020 , 109, 110508	8.3	21
448	Atomic Spatial and Temporal Imaging of Local Structures and Light Elements inside Zeolite Frameworks. <i>Advanced Materials</i> , 2020 , 32, e1906103	24	38
447	TiO ₂ as a multifunction coating layer to enhance the electrochemical performance of SiO _x @TiO ₂ @C composite as anode material. <i>Nano Energy</i> , 2020 , 77, 105082	17.1	36
446	High energy and high power density supercapacitor with 3D Al foam-based thick graphene electrode: Fabrication and simulation. <i>Energy Storage Materials</i> , 2020 , 33, 18-25	19.4	22
445	Super-durable ultralong carbon nanotubes. <i>Science</i> , 2020 , 369, 1104-1106	33.3	42
444	Graphene oxide coated Titanium Surfaces with Osteoimmunomodulatory Role to Enhance Osteogenesis. <i>Materials Science and Engineering C</i> , 2020 , 113, 110983	8.3	20
443	Finite-time synchronization of memristor neural networks via interval matrix method. <i>Neural Networks</i> , 2020 , 127, 7-18	9.1	10

442	Two-way desorption coupling to enhance the conversion of syngas into aromatics by MnO/H-ZSM-5. <i>Catalysis Science and Technology</i> , 2020 , 10, 3366-3375	5.5	5
441	Geometry-induced thermal storage enhancement of shape-stabilized phase change materials based on oriented carbon nanotubes. <i>Applied Energy</i> , 2019 , 254, 113688	10.7	19
440	Rate-selected growth of ultrapure semiconducting carbon nanotube arrays. <i>Nature Communications</i> , 2019 , 10, 4467	17.4	37
439	Single-Step Conversion of H ₂ -Deficient Syngas into High Yield of Tetramethylbenzene. <i>ACS Catalysis</i> , 2019 , 9, 2203-2212	13.1	42
438	Adsorption and Desorption of Tritium in Nuclear Graphite at 700°C: A Gas Chromatographic Study Using Hydrogen. <i>Nuclear Technology</i> , 2019 , 205, 1143-1153	1.4	6
437	Uniform coating of nano-carbon layer on SiO _x in aggregated fluidized bed as high-performance anode material. <i>Carbon</i> , 2019 , 149, 462-470	10.4	22
436	Highly selective conversion of methanol to propylene: design of an MFI zeolite with selective blockage of (010) surfaces. <i>Nanoscale</i> , 2019 , 11, 8096-8101	7.7	8
435	Integrated Energy Devices: 3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices (Adv. Mater. 13/2019). <i>Advanced Materials</i> , 2019 , 31, 1970094	24	7
434	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. <i>Electrochemical Energy Reviews</i> , 2019 , 2, 332-371	29.3	59
433	High-Efficiency Particulate Air Filters Based on Carbon Nanotubes 2019 , 643-666		4
432	3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. <i>Advanced Materials</i> , 2019 , 31, e1805598	24	129
431	Electrochemical process of sulfur in carbon materials from electrode thickness to interlayer. <i>Journal of Energy Chemistry</i> , 2019 , 31, 119-124	12	34
430	Few-layered mesoporous graphene for high-performance toluene adsorption and regeneration. <i>Environmental Science: Nano</i> , 2019 , 6, 3113-3122	7.1	13
429	Silicon Carbide as a Protective Layer to Stabilize Si-Based Anodes by Inhibiting Chemical Reactions. <i>Nano Letters</i> , 2019 , 19, 5124-5132	11.5	48
428	Mechanical Energy: Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density (Adv. Mater. 9/2019). <i>Advanced Materials</i> , 2019 , 31, 1970064	24	2
427	Evaluation of Dose Derived From HTO for Adults in the Vicinity of Qinshan Nuclear Power Base. <i>Health Physics</i> , 2019 , 117, 443-448	2.3	2
426	Tuning element distribution, structure and properties by composition in high-entropy alloys. <i>Nature</i> , 2019 , 574, 223-227	50.4	404
425	Modulation of b-axis thickness within MFI zeolite: Correlation with variation of product diffusion and coke distribution in the methanol-to-hydrocarbons conversion. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 721-733	21.8	38

424	Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density. <i>Advanced Materials</i> , 2019 , 31, e1800680	24	31
423	Heterogeneous catalysis in multi-stage fluidized bed reactors: From fundamental study to industrial application. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 636-644	2.3	7
422	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. <i>Carbon</i> , 2019 , 141, 467-480	10.4	386
421	Resilient, mesoporous carbon nanotube-based strips as adsorbents of dilute organics in water. <i>Carbon</i> , 2018 , 132, 329-334	10.4	14
420	Compacting CNT sponge to achieve larger electromagnetic interference shielding performance. <i>Materials and Design</i> , 2018 , 144, 323-330	8.1	25
419	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. <i>Journal of Catalysis</i> , 2018 , 360, 89-96	7.3	35
418	High-precision diffusion measurement of ethane and propane over SAPO-34 zeolites for methanol-to-olefin process. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 77-82	4.5	9
417	Single-Carbon-Nanotube Manipulations and Devices Based on Macroscale Anthracene Flakes. <i>Advanced Materials</i> , 2018 , 30, 1705844	24	2
416	Reaction and deactivation of propylene over SAPO-34 at low temperature. <i>Catalysis Today</i> , 2018 , 301, 244-247	5.3	4
415	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. <i>Tissue Engineering - Part A</i> , 2018 , 24, 584-594	3.9	57
414	Experimental study of non-uniform bubble growth in deep fluidized beds. <i>Chemical Engineering Science</i> , 2018 , 176, 515-523	4.4	16
413	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. <i>Biomaterials</i> , 2018 , 181, 318-332	15.6	63
412	Analyzing transfer properties of zeolites using small-world networks. <i>Nanoscale</i> , 2018 , 10, 16431-16433	7.7	5
411	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018 , 12, 11756-11784	16.7	239
410	Modulation of the Osteoimmune Environment in the Development of Biomaterials for Osteogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1077, 69-86	3.6	8
409	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15608-15617	8.3	12
408	Direct Chirality Recognition of Single-Crystalline and Single-Walled Transition Metal Oxide Nanotubes on Carbon Nanotube Templates. <i>Advanced Materials</i> , 2018 , 30, e1803368	24	10
407	Carbon nanotube bundles with tensile strength over 80 GPa. <i>Nature Nanotechnology</i> , 2018 , 13, 589-595	28.7	185

406	Advances in Production and Applications of Carbon Nanotubes. <i>Topics in Current Chemistry</i> , 2017 , 375, 18	7.2	46
405	METHANOL TO LOWER OLEFINS AND METHANOL TO PROPYLENE 2017 , 271-294		2
404	Controlled Synthesis of Ultralong Carbon Nanotubes with Perfect Structures and Extraordinary Properties. <i>Accounts of Chemical Research</i> , 2017 , 50, 179-189	24.3	56
403	NOVEL FLUID CATALYTIC CRACKING PROCESSES 2017 , 1-47		1
402	NATURAL GAS CONVERSION 2017 , 313-330		
401	MULTIPHASE REACTORS FOR BIOMASS PROCESSING AND THERMOCHEMICAL CONVERSIONS 2017 , 331-376		1
400	CHEMICAL LOOPING TECHNOLOGY FOR FOSSIL FUEL CONVERSION WITH IN SITU CO ₂ CONTROL 2017 , 377-404		2
399	COAL COMBUSTION 2017 , 49-64		1
398	COAL GASIFICATION 2017 , 65-118		2
397	NEW DEVELOPMENT IN COAL PYROLYSIS REACTOR 2017 , 119-154		
396	COAL PYROLYSIS TO ACETYLENE IN PLASMA REACTOR 2017 , 155-188		
395	MULTIPHASE FLOW REACTORS FOR METHANOL AND DIMETHYL ETHER PRODUCTION 2017 , 189-218		
394	FISCHER-TROPSCH PROCESSES AND REACTORS 2017 , 219-270		2
393	RECTOR TECHNOLOGY FOR METHANOL TO AROMATICS 2017 , 295-311		5
392	Establishing a discrete Ising model for zeolite deactivation: inspiration from the game of Go. <i>Catalysis Science and Technology</i> , 2017 , 7, 2440-2444	5.5	17
391	Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. <i>ACS Nano</i> , 2017 , 11, 4494-4506	16.7	153
390	Novel hierarchical Ni/MgO catalyst for highly efficient CO methanation in a fluidized bed reactor. <i>AIChE Journal</i> , 2017 , 63, 2141-2152	3.6	15
389	Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , 2017 , 11, 5530-5537	16.7	169

388	A route to truly realize the chirality-specific growth of aligned carbon nanotubes. <i>Science China Chemistry</i> , 2017 , 60, 681-682	7.9	2
387	Horizontally aligned carbon nanotube arrays: growth mechanism, controlled synthesis, characterization, properties and applications. <i>Chemical Society Reviews</i> , 2017 , 46, 3661-3715	58.5	97
386	High yield production of C ₂ H ₄ olefins and para-xylene from methanol using a SiO ₂ -coated FeO _x /ZSM-5 catalyst. <i>RSC Advances</i> , 2017 , 7, 28940-28944	3.7	8
385	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8458-8466	16.4	163
384	Validation of surface coating with nanoparticles to improve the flowability of fine cohesive powders. <i>Particuology</i> , 2017 , 30, 53-61	2.8	22
383	Synthesis of lightweight and flexible composite aerogel of mesoporous iron oxide threaded by carbon nanotubes for microwave absorption. <i>Journal of Alloys and Compounds</i> , 2017 , 697, 138-146	5.7	48
382	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. <i>Nanoscale</i> , 2017 , 9, 706-718	7.7	97
381	Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. <i>Catalysis Science and Technology</i> , 2017 , 7, 5143-5153	5.5	22
380	Enhancement of formaldehyde removal by activated carbon fiber via in situ growth of carbon nanotubes. <i>Building and Environment</i> , 2017 , 126, 27-33	6.5	35
379	Carbon nanotubes / activated carbon fiber based air filter media for simultaneous removal of particulate matter and ozone. <i>Building and Environment</i> , 2017 , 125, 60-66	6.5	38
378	Instability of uniform fluidization. <i>Chemical Engineering Science</i> , 2017 , 173, 187-195	4.4	10
377	The analysis of hot spots in large scale fluidized bed reactors. <i>RSC Advances</i> , 2017 , 7, 20186-20191	3.7	2
376	Catalysts for single-wall carbon nanotube synthesis—from surface growth to bulk preparation. <i>MRS Bulletin</i> , 2017 , 42, 809-818	3.2	10
375	Review on the nanoparticle fluidization science and technology. <i>Chinese Journal of Chemical Engineering</i> , 2016 , 24, 9-22	3.2	38
374	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. <i>RSC Advances</i> , 2016 , 6, 81198-81202	3.7	16
373	Removal of Ozone by Carbon Nanotubes/Quartz Fiber Film. <i>Environmental Science & Technology</i> , 2016 , 50, 9592-8	10.3	21
372	Oxygen Electrocatalysis: Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis (Adv. Mater. 32/2016). <i>Advanced Materials</i> , 2016 , 28, 7030-7030	24	10
371	A Review of Solid Electrolyte Interphases on Lithium Metal Anode. <i>Advanced Science</i> , 2016 , 3, 1500213	13.6	962

370	3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for High-Sulfur-Loading Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 6351-6358	15.6	191
369	From nano to giant? Designing carbon nanotubes for rubber reinforcement and their applications for high performance tires. <i>Composites Science and Technology</i> , 2016 , 137, 94-101	8.6	38
368	CaO-Templated Growth of Hierarchical Porous Graphene for High-Power Lithium-Sulfur Battery Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 577-585	15.6	294
367	Moderately oxidized graphene-carbon nanotubes hybrid for high performance capacitive deionization. <i>RSC Advances</i> , 2016 , 6, 58907-58915	3.7	29
366	Fabrication and catalytic properties of three-dimensional ordered zeolite arrays with interconnected micro-meso-macroporous structure. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10834-10841	13	16
365	Nanoscale color sensors made on semiconducting multi-wall carbon nanotubes. <i>Nano Research</i> , 2016 , 9, 1470-1479	10	4
364	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. <i>Advanced Materials</i> , 2016 , 28, 2155-62	24	498
363	Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2016 , 16, 1367-74	11.5	28
362	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. <i>Chemical Communications</i> , 2016 , 52, 2011-4	5.8	67
361	Lithium Anodes: Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth (Adv. Mater. 11/2016). <i>Advanced Materials</i> , 2016 , 28, 2090-2090	24	1
360	Equilibrium analysis of methylbenzene intermediates for a methanol-to-olefins process. <i>Catalysis Science and Technology</i> , 2016 , 6, 1297-1301	5.5	17
359	Confined growth of Li ₄ Ti ₅ O ₁₂ nanoparticles in nitrogen-doped mesoporous graphene fibers for high-performance lithium-ion battery anodes. <i>Nano Research</i> , 2016 , 9, 230-239	10	43
358	Li ₂ S ₅ -based ternary-salt electrolyte for robust lithium metal anode. <i>Energy Storage Materials</i> , 2016 , 3, 77-84	19.4	215
357	Guest-Host modulation of multi-metallic (oxy)hydroxides for superb water oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3210-3216	13	55
356	Powering Lithium-Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. <i>Nano Letters</i> , 2016 , 16, 519-27	11.5	1055
355	Crystal-plane effect of nanoscale CeO ₂ on the catalytic performance of Ni/CeO ₂ catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2016 , 6, 3594-3605	5.5	103
354	Preloading catalysts in the reactor for repeated growth of horizontally aligned carbon nanotube arrays. <i>Carbon</i> , 2016 , 98, 157-161	10.4	18
353	Conversion of methanol with C ₅ -C ₆ hydrocarbons into aromatics in a two-stage fluidized bed reactor. <i>Catalysis Today</i> , 2016 , 264, 63-69	5.3	27

352	Design of parallel cyclones based on stability analysis. <i>AIChE Journal</i> , 2016 , 62, 4251-4258	3.6	12
351	Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2016 , 28, 6845-51	24	522
350	Acoustic-assisted assembly of an individual monochromatic ultralong carbon nanotube for high on-current transistors. <i>Science Advances</i> , 2016 , 2, e1601572	14.3	29
349	Monolithic-structured ternary hydroxides as freestanding bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7245-7250	13	135
348	Comparison study for the oxidative dehydrogenation of isopentenes to isoprene in fixed and fluidized beds. <i>Catalysis Today</i> , 2016 , 276, 78-84	5.3	3
347	Highly Exfoliated Reduced Graphite Oxide Powders as Efficient Lubricant Oil Additives. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600700	4.6	44
346	Enhanced growth of carbon nanotube bundles in a magnetically assisted fluidized bed chemical vapor deposition. <i>Carbon</i> , 2016 , 108, 404-411	10.4	16
345	The influence of straight pore blockage on the selectivity of methanol to aromatics in nanosized Zn/ZSM-5: an atomic Cs-corrected STEM analysis study. <i>RSC Advances</i> , 2016 , 6, 74797-74801	3.7	34
344	Janus Separator of Polypropylene-Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2016 , 3, 1500268	13.6	251
343	Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. <i>Catalysis Today</i> , 2015 , 249, 244-251	5.3	39
342	Monolithic nitrogen-doped graphene frameworks as ultrahigh-rate anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15738-15744	13	25
341	Air Injection for Enhanced Oil Recovery: In Situ Monitoring the Low-Temperature Oxidation of Oil through Thermogravimetry/Differential Scanning Calorimetry and Pressure Differential Scanning Calorimetry. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6634-6640	3.9	27
340	Customized casting of unstacked graphene with high surface area (>1300 m ² g ⁻¹) and its application in oxygen reduction reaction. <i>Carbon</i> , 2015 , 93, 702-712	10.4	17
339	Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage. <i>Small</i> , 2015 , 11, 3135-42	11	12
338	Increasing para-Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. <i>ACS Catalysis</i> , 2015 , 5, 2982-2988	13.1	206
337	Highly dispersed Mn ₂ O ₃ microspheres: Facile solvothermal synthesis and their application as Li-ion battery anodes. <i>Particuology</i> , 2015 , 22, 89-94	2.8	16
336	Poly(p-phenylene terephthalamide)/carbon nanotube composite membrane: Preparation via polyanion solution method and mechanical property enhancement. <i>Composites Science and Technology</i> , 2015 , 118, 135-140	8.6	13
335	Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. <i>Energy Storage Materials</i> , 2015 , 1, 127-145	19.4	491

334	Raman Measurement of Heat Transfer in Suspended Individual Carbon Nanotube. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 2939-43	1.3	7
333	Rational recipe for bulk growth of graphene/carbon nanotube hybrids: New insights from in-situ characterization on working catalysts. <i>Carbon</i> , 2015 , 95, 292-301	10.4	17
332	Dual-sized NiFe layered double hydroxides in situ grown on oxygen-decorated self-dispersal nanocarbon as enhanced water oxidation catalysts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24540-24546	1.2	114
331	High-power lithium ion batteries based on flexible and light-weight cathode of LiNi _{0.5} Mn _{1.5} O ₄ /carbon nanotube film. <i>Nano Energy</i> , 2015 , 12, 43-51	17.1	56
330	A low content Au-based catalyst for hydrochlorination of C ₂ H ₂ and its industrial scale-up for future PVC processes. <i>Green Chemistry</i> , 2015 , 17, 356-364	10	92
329	Energy Storage: Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage (Small 26/2015). <i>Small</i> , 2015 , 11, 3196-3196	11	1
328	Catalysis: Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity (Adv. Mater. 30/2015). <i>Advanced Materials</i> , 2015 , 27, 4524	24	4
327	Flexible CNT-array double helices Strain Sensor with high stretchability for Motion Capture. <i>Scientific Reports</i> , 2015 , 5, 15554	4.9	43
326	Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity. <i>Advanced Materials</i> , 2015 , 27, 4516-4522	24	533
325	The influence of added carbon nanotubes on the properties of the carbon-fiber-reinforced paper-based wet clutch friction materials. <i>Lubrication Science</i> , 2015 , 27, 451-461	1.3	5
324	Directly correlating the strain-induced electronic property change to the chirality of individual single-walled and few-walled carbon nanotubes. <i>Nanoscale</i> , 2015 , 7, 13116-24	7.7	4
323	Synthesis of three-dimensional carbon nanotube/graphene hybrid materials by a two-step chemical vapor deposition process. <i>Carbon</i> , 2015 , 86, 358-362	10.4	40
322	Controllable oxidation for oil recovery: Low temperature oxidative decomposition of heavy oil on a MnO ₂ catalyst. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 153-159	11.3	7
321	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , 2015 , 61, 747-755	3.6	40
320	Permselective graphene oxide membrane for highly stable and anti-self-discharge lithium-sulfur batteries. <i>ACS Nano</i> , 2015 , 9, 3002-11	16.7	605
319	Emerging double helical nanostructures. <i>Nanoscale</i> , 2014 , 6, 9339-54	7.7	31
318	Hierarchical NiMn Layered Double Hydroxide/Carbon Nanotubes Architecture with Superb Energy Density for Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2014 , 24, 2938-2946	15.6	532
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