Xinliang Feng

List of Publications by Year in Descending Order

685 papers	75,552 citations	139 h-index	255 g-index
743 ext. papers	86,414 ext. citations	13.1 avg, IF	8.43 L-index

#	Paper	IF	Citations
685	Two-Dimensional Conjugated Metal-Organic Frameworks for Electrocatalysis: Opportunities and Challenges.. *ACS Nano*, **2022**,	16.7	13
684	An Efficient Rechargeable Aluminium-Amine Battery Working Under Quaternization Chemistry.. *Angewandte Chemie - International Edition*, **2022**,	16.4	5
683	Redox-Active Metaphosphate-like Terminals Enable High-Capacity MXene Anodes for Ultrafast Na-ion Storage.. *Advanced Materials*, **2022**, e2108682	24	14
682	Bioresponsive, Electroactive, and Inkjet-Printable Graphene-Based Inks. *Advanced Functional Materials*, **2022**, 32, 2105028	15.6	5
681	Protein-based (bio)materials: a way toward high-performance graphene enzymatic biosensors. *Journal of Materials Chemistry C*, **2022**, 10, 5466-5473	7.1	0
680	Large Acene Derivatives with B-N Lewis Pair Doping: Synthesis, Characterization, and Application.. *Organic Letters*, **2022**,	6.2	1
679	Solution Synthesis and Characterization of a Long and Curved Graphene Nanoribbon with Hybrid Cove-Armchair-Gulf Edge Structures.. *Advanced Science*, **2022**, e2200708	13.6	1
678	Initial Coupling and Reaction Progression of Directly Deposited Biradical Graphene Nanoribbon Monomers on Iodine-Passivated Versus Pristine Ag(111). *Chemistry*, **2022**, 4, 259-269	2.1	
677	On-water surface synthesis of charged two-dimensional polymer single crystals via the irreversible Katritzky reaction **2022**, 1, 69-76		3
676	Local Spin-state Tuning of Iron Single-Atom Electrocatalyst by S-coordinated Doping for Kinetics-boosted Ammonia Synthesis.. *Advanced Materials*, **2022**, e2202240	24	10
675	An Anode-free Zn-graphite Battery.. *Advanced Materials*, **2022**, e2201957	24	1
674	Active site engineering of single-atom carbonaceous electrocatalysts for the oxygen reduction reaction.. *Chemical Science*, **2021**, 12, 15802-15820	9.4	4
673	Interfacial synthesis of crystalline quasi-two-dimensional polyaniline thin films for high-performance flexible on-chip micro-supercapacitors. *Chinese Chemical Letters*, **2021**,	8.1	2
672	Boosting the Electrocatalytic Conversion of Nitrogen to Ammonia on Metal-Phthalocyanine-Based Two-Dimensional Conjugated Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2021**, 143, 19992-20000	16.4	19
671	Observation of fractional edge excitations in nanographene spin chains. *Nature*, **2021**, 598, 287-292	50.4	21
670	On-Surface Formation of Cyano-Vinylene Linked Chains by Knoevenagel Condensation. *Chemistry - A European Journal*, **2021**, 27, 17336-17340	4.8	1
669	Viologen-Immobilized 2D Polymer Film Enabling Highly Efficient Electrochromic Device for Solar-Powered Smart Window. *Advanced Materials*, **2021**, 34, e2106073	24	4

668	A Modular Cascade Synthetic Strategy Toward Structurally Constrained Boron-Doped Polycyclic Aromatic Hydrocarbons. *Angewandte Chemie*, **2021**, 133, 25899	3.6	1
667	A Modular Cascade Synthetic Strategy Toward Structurally Constrained Boron-Doped Polycyclic Aromatic Hydrocarbons. *Angewandte Chemie - International Edition*, **2021**, 60, 25695-25700	16.4	8
666	Mass Transfer in Boronate Ester 2D COF Single Crystals. *Small*, **2021**, e2104392	11	1
665	Microengineered Hollow Graphene Tube Systems Generate Conductive Hydrogels with Extremely Low Filler Concentration. *Nano Letters*, **2021**, 21, 3690-3697	11.5	13
664	Vinylene-Linked Two-Dimensional Covalent Organic Frameworks: Synthesis and Functions. *Accounts of Materials Research*, **2021**, 2, 252-265	7.5	21
663	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. *Angewandte Chemie - International Edition*, **2021**, 60, 8689-8693	16.4	58
662	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. *Angewandte Chemie*, **2021**, 133, 8771-8775	3.6	5
661	Materials and technologies for multifunctional, flexible or integrated supercapacitors and batteries. *Materials Today*, **2021**, 48, 176-176	21.8	17
660	Electrically powered repeatable air explosions using microtubular graphene assemblies. *Materials Today*, **2021**, 48, 7-7	21.8	2
659	Synthesis and Self-Assembly Behavior of Double Ullazine-Based Polycyclic Aromatic Hydrocarbons. *Organic Materials*, **2021**, 03, 198-203	1.9	1
658	Persistent peri-Heptacene: Synthesis and In Situ Characterization. *Angewandte Chemie*, **2021**, 133, 13972-13977	3.6	3
657	NBN-doped nanographene embedded with five- and seven-membered rings on Au(111) surface*. *Chinese Physics B*, **2021**, 30, 056802	1.2	2
656	Synthetic tuning of the quantum properties of open-shell radicaloids. *CheM*, **2021**, 7, 1363-1378	16.2	1
655	Persistent peri-Heptacene: Synthesis and In Situ Characterization. *Angewandte Chemie - International Edition*, **2021**, 60, 13853-13858	16.4	8
654	Multiscale Modeling Strategy of 2D Covalent Organic Frameworks Confined at an Air-Water Interface. *ACS Applied Materials & Interfaces*, **2021**, 13, 26411-26420	9.5	2
653	A Two-Dimensional Polyimide-Graphene Heterostructure with Ultra-fast Interlayer Charge Transfer. *Angewandte Chemie - International Edition*, **2021**, 60, 13859-13864	16.4	2
652	A Two-Dimensional Polyimide-Graphene Heterostructure with Ultra-fast Interlayer Charge Transfer. *Angewandte Chemie*, **2021**, 133, 13978-13983	3.6	
651	Interfacial Covalent Bonds Regulated Electron-Deficient 2D Black Phosphorus for Electrocatalytic Oxygen Reactions. *Advanced Materials*, **2021**, 33, e2008752	24	18

650	Fe?N?C Electrocatalysts with Densely Accessible Fe?N4 Sites for Efficient Oxygen Reduction Reaction. *Advanced Functional Materials*, **2021**, 31, 2102420	15.6	29
649	Dual-Redox-Sites Enable Two-Dimensional Conjugated Metal-Organic Frameworks with Large Pseudocapacitance and Wide Potential Window. *Journal of the American Chemical Society*, **2021**, 143, 10168-10176	16.4	20
648	Thiophen-basierte konjugierte acetylenische Polymere mit dualen aktiven Zentren f□ effiziente Cokatalysator-freie photoelektrochemische Wasserreduktion im alkalischen Medium. *Angewandte Chemie*, **2021**, 133, 19025-19031	3.6	0
647	Fabrication of sulfur-doped cove-edged graphene nanoribbons on Au(111)*. *Chinese Physics B*, **2021**, 30, 077306	1.2	0
646	Surface-Modified Phthalocyanine-Based Two-Dimensional Conjugated Metal-Organic Framework Films for Polarity-Selective Chemiresistive Sensing. *Angewandte Chemie - International Edition*, **2021**, 60, 18666-18672	16.4	12
645	Thiophene-Based Conjugated Acetylenic Polymers with Dual Active Sites for Efficient Co-Catalyst-Free Photoelectrochemical Water Reduction in Alkaline Medium. *Angewandte Chemie - International Edition*, **2021**, 60, 18876-18881	16.4	7
644	Thiophene-Bridged Donor-Acceptor sp -Carbon-Linked 2D Conjugated Polymers as Photocathodes for Water Reduction. *Advanced Materials*, **2021**, 33, e2006274	24	37
643	Electronic Doping of Metal-Organic Frameworks for High-Performance Flexible Micro-Supercapacitors. *Small Structures*, **2021**, 2, 2000095	8.7	17
642	Carbon materials for ion-intercalation involved rechargeable battery technologies. *Chemical Society Reviews*, **2021**, 50, 2388-2443	58.5	79
641	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. *Angewandte Chemie*, **2021**, 133, 2869-2874	3.6	7
640	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. *Angewandte Chemie - International Edition*, **2021**, 60, 2833-2838	16.4	10
639	Facile assembly of layer-interlocked graphene heterostructures as flexible electrodes for Li-ion batteries. *Faraday Discussions*, **2021**, 227, 321-331	3.6	0
638	Synthesis and characterization of [7]triangulene. *Nanoscale*, **2021**, 13, 1624-1628	7.7	15
637	Solvent-mediated engineering of copper-metalated acetylenic polymer scaffolds with enhanced photoelectrochemical performance. *Journal of Materials Chemistry A*, **2021**, 9, 9729-9734	13	0
636	Making large single crystals of 2D MOFs. *Nature Materials*, **2021**, 20, 122-123	27	16
635	Defective Nanographenes Containing Seven-Five-Seven (7-5-7)-Membered Rings. *Journal of the American Chemical Society*, **2021**, 143, 2353-2360	16.4	6
634	Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surface-Introduced Electronegative Dopants. *Advanced Functional Materials*, **2021**, 31, 2008146	15.6	38
633	Sulfur-Doped Nanographenes Containing Multiple Subhelicenes. *Organic Letters*, **2021**, 23, 2069-2073	6.2	4

632	Surface-Modified Phthalocyanine-Based Two-Dimensional Conjugated Metal-Organic Framework Films for Polarity-Selective Chemiresistive Sensing. *Angewandte Chemie*, **2021**, 133, 18814-18820	3.6	0
631	Interfacial Synthesis of Layer-Oriented 2D Conjugated Metal-Organic Framework Films toward Directional Charge Transport. *Journal of the American Chemical Society*, **2021**, 143, 13624-13632	16.4	6
630	On-Surface Synthesis and Characterization of Super-nonazethrene. *Journal of Physical Chemistry Letters*, **2021**, 12, 8314-8319	6.4	2
629	Real-time study of on-water chemistry: Surfactant monolayer-assisted growth of a crystalline quasi-2D polymer. *CheM*, **2021**,	16.2	3
628	Aqueous high-voltage all 3D-printed micro-supercapacitors with ultrahigh areal capacitance and energy density. *Journal of Energy Chemistry*, **2021**,	12	6
627	Reduced Intrinsic Non-Radiative Losses Allow Room-Temperature Triplet Emission from Purely Organic Emitters. *Advanced Materials*, **2021**, 33, e2101844	24	10
626	On-Surface Synthesis of a Dicationic Diazahexabenzocoronene Derivative on the Au(111) Surface. *Angewandte Chemie - International Edition*, **2021**, 60, 25551-25556	16.4	2
625	Molecularly Engineered Black Phosphorus Heterostructures with Improved Ambient Stability and Enhanced Charge Carrier Mobility. *Advanced Materials*, **2021**, 33, e2105694	24	3
624	NBN-Doped Bis-Tetracene and Peri-Tetracene: Synthesis and Characterization. *Angewandte Chemie - International Edition*, **2021**, 60, 26115-26121	16.4	6
623	Advanced design of cathodes and interlayers for high-performance lithium-selenium batteries. *SusMat*, **2021**, 1, 393-412		5
622	Two-dimensional conjugated metal-organic frameworks (2D -MOFs): chemistry and function for MOFtronics. *Chemical Society Reviews*, **2021**, 50, 2764-2793	58.5	75
621	Scalable one-step production of electrochemically exfoliated graphene decorated with transition metal oxides for high-performance supercapacitors. *Nanoscale*, **2021**, 13, 15859-15868	7.7	1
620	Cove-Edged Graphene Nanoribbons with Incorporation of Periodic Zigzag-Edge Segments.. *Journal of the American Chemical Society*, **2021**,	16.4	2
619	High-Mobility Semiconducting Two-Dimensional Conjugated Covalent Organic Frameworks with -Type Doping. *Journal of the American Chemical Society*, **2020**, 142, 21622-21627	16.4	32
618	A High-Rate Two-Dimensional Polyarylimide Covalent Organic Framework Anode for Aqueous Zn-Ion Energy Storage Devices. *Journal of the American Chemical Society*, **2020**, 142, 19570-19578	16.4	79
617	Ambient Bistable Single Dipole Switching in a Molecular Monolayer. *Angewandte Chemie - International Edition*, **2020**, 59, 14049-14053	16.4	3
616	Ambient Bistable Single Dipole Switching in a Molecular Monolayer. *Angewandte Chemie*, **2020**, 132, 14153-14157	3.6	1
615	Highly selective and ultra-low power consumption metal oxide based hydrogen gas sensor employing graphene oxide as molecular sieve. *Sensors and Actuators B: Chemical*, **2020**, 320, 128363	8.5	25

614	Force-Activated Isomerization of a Single Molecule. *Journal of the American Chemical Society*, **2020**, 142, 10673-10680	16.4	7
613	On-surface synthesis of super-heptazethrene. *Chemical Communications*, **2020**, 56, 7467-7470	5.8	9
612	High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid. *Advanced Functional Materials*, **2020**, 30, 2003000	15.6	22
611	Oxidation promoted osmotic energy conversion in black phosphorus membranes. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13959-13966	11.5	42
610	Phthalocyanine-Based 2D Conjugated Metal-Organic Framework Nanosheets for High-Performance Micro-Supercapacitors. *Advanced Functional Materials*, **2020**, 30, 2002664	15.6	60
609	Synergistic electroreduction of carbon dioxide to carbon monoxide on bimetallic layered conjugated metal-organic frameworks. *Nature Communications*, **2020**, 11, 1409	17.4	166
608	Interlayer gap widened -phase molybdenum trioxide as high-rate anodes for dual-ion-intercalation energy storage devices. *Nature Communications*, **2020**, 11, 1348	17.4	55
607	Dynamical nuclear decoupling of electron spins in molecular graphenoid radicals and biradicals. *Physical Review B*, **2020**, 101,	3.3	4
606	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. *Angewandte Chemie*, **2020**, 132, 8958-8964	3.6	8
605	Oligophenyls with Multiple Disulfide Bridges as Higher Homologues of Dibenzo[c,e][1,2]dithiin: Synthesis and Application in Lithium-Ion Batteries. *Chemistry - A European Journal*, **2020**, 26, 8007-8011	4.8	4
604	Polycyclic aromatic chains on metals and insulating layers by repetitive [3+2] cycloadditions. *Nature Communications*, **2020**, 11, 1490	17.4	15
603	Ultrathin tin monosulfide nanosheets with the exposed (001) plane for efficient electrocatalytic conversion of CO into formate. *Chemical Science*, **2020**, 11, 3952-3958	9.4	34
602	Aromatic Phosphonates: A Novel Group of Emitters Showing Blue Ultralong Room Temperature Phosphorescence. *Advanced Materials*, **2020**, 32, e2000880	24	58
601	A Stimulus-Responsive Zinc-Iodine Battery with Smart Overcharge Self-Protection Function. *Advanced Materials*, **2020**, 32, e2000287	24	53
600	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. *Angewandte Chemie - International Edition*, **2020**, 59, 8873-8879	16.4	27
599	Two-Dimensional Carbon-Rich Conjugated Frameworks for Electrochemical Energy Applications. *Journal of the American Chemical Society*, **2020**, 142, 12903-12915	16.4	79
598	Two-Dimensional Boronate Ester Covalent Organic Framework Thin Films with Large Single Crystalline Domains for a Neuromorphic Memory Device. *Angewandte Chemie - International Edition* , **2020**, 59, 8218-8224	16.4	63
597	Wetting Properties of Graphene Aerogels. *Scientific Reports*, **2020**, 10, 1916	4.9	8

596	Giant thermal expansion of a two-dimensional supramolecular network triggered by alkyl chain motion. *Communications Materials*, **2020**, 1, 8	6	10
595	Broadband Photodetectors: Demonstration of a Broadband Photodetector Based on a Two-Dimensional Metal Organic Framework (Adv. Mater. 9/2020). *Advanced Materials*, **2020**, 32, 2070071	24	2
594	Flexible in-plane micro-supercapacitors: Progresses and challenges in fabrication and applications. *Energy Storage Materials*, **2020**, 28, 160-187	19.4	57
593	Two-Dimensional Boronate Ester Covalent Organic Framework Thin Films with Large Single Crystalline Domains for a Neuromorphic Memory Device. *Angewandte Chemie*, **2020**, 132, 8295-8301	3.6	18
592	Design and construction of few-layer graphene cathode for ultrafast and high-capacity aluminum-ion batteries. *Energy Storage Materials*, **2020**, 27, 396-404	19.4	22
591	On-Surface Dehydro-Diels-Alder Reaction of Dibromo-bis(phenylethynyl)benzene. *Journal of the American Chemical Society*, **2020**, 142, 1721-1725	16.4	9
590	Zinc-Mediated Template Synthesis of Fe-N-C Electrocatalysts with Densely Accessible Fe-N Active Sites for Efficient Oxygen Reduction. *Advanced Materials*, **2020**, 32, e1907399	24	183
589	Highly Crystalline and Semiconducting Imine-Based Two-Dimensional Polymers Enabled by Interfacial Synthesis. *Angewandte Chemie*, **2020**, 132, 6084-6092	3.6	12
588	Ultrafast Electrochemical Synthesis of Defect-Free In Se Flakes for Large-Area Optoelectronics. *Advanced Materials*, **2020**, 32, e1907244	24	38
587	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
586	Demonstration of a Broadband Photodetector Based on a Two-Dimensional Metal-Organic Framework. *Advanced Materials*, **2020**, 32, e1907063	24	57
585	Highly Crystalline and Semiconducting Imine-Based Two-Dimensional Polymers Enabled by Interfacial Synthesis. *Angewandte Chemie - International Edition*, **2020**, 59, 6028-6036	16.4	55
584	Polymer Brushes on Graphitic Carbon Nitride for Patterning and as a SERS Active Sensing Layer via Incorporated Nanoparticles. *ACS Applied Materials & Interfaces*, **2020**, 12, 9797-9805	9.5	17
583	On-Surface Synthesis of Cumulene-Containing Polymers via Two-Step Dehalogenative Homocoupling of Dibromomethylene-Functionalized Tribenzoazulene. *Angewandte Chemie*, **2020**, 132, 13383-13389	3.6	8
582	On-Surface Synthesis of Cumulene-Containing Polymers via Two-Step Dehalogenative Homocoupling of Dibromomethylene-Functionalized Tribenzoazulene. *Angewandte Chemie - International Edition*, **2020**, 59, 13281-13287	16.4	11
581	Engineering of Magnetic Coupling in Nanographene. *Physical Review Letters*, **2020**, 124, 147206	7.4	21
580	One-pot synthesis of dicyclopenta-fused peropyrene via a fourfold alkyne annulation. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 791-797	2.5	1
579	Ultrafast carrier dynamics in graphene and graphene nanostructures. *Terahertz Science & Technology*, **2020**, 13, 135-148	0.3	

578	Glial cell responses on tetrapod-shaped graphene oxide and reduced graphene oxide 3D scaffolds in brain in vitro and ex vivo models of indirect contact. *Biomedical Materials (Bristol)*, **2020**, 16, 015008	3.5	3
577	Identification of Catalytic Sites for Oxygen Reduction in Metal/Nitrogen-Doped Carbons with Encapsulated Metal Nanoparticles. *Angewandte Chemie - International Edition*, **2020**, 59, 1627-1633	16.4	110
576	Identification of Catalytic Sites for Oxygen Reduction in Metal/Nitrogen-Doped Carbons with Encapsulated Metal Nanoparticles. *Angewandte Chemie*, **2020**, 132, 1644-1650	3.6	19
575	Atomically Defined Undercoordinated Active Sites for Highly Efficient CO2 Electroreduction. *Advanced Functional Materials*, **2020**, 30, 1907658	15.6	115
574	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. *Angewandte Chemie - International Edition*, **2020**, 59, 465-470	16.4	52
573	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. *Angewandte Chemie*, **2020**, 132, 473-478	3.6	5
572	Interfacial Approach toward Benzene-Bridged Polypyrrole Film-Based Micro-Supercapacitors with Ultrahigh Volumetric Power Density. *Advanced Functional Materials*, **2020**, 30, 1908243	15.6	45
571	Helical Nanographenes Containing an Azulene Unit: Synthesis, Crystal Structures, and Properties. *Angewandte Chemie*, **2020**, 132, 5686-5691	3.6	23
570	Helical Nanographenes Containing an Azulene Unit: Synthesis, Crystal Structures, and Properties. *Angewandte Chemie - International Edition*, **2020**, 59, 5637-5642	16.4	53
569	Innenrücktitelbild: Identification of Catalytic Sites for Oxygen Reduction in Metal/Nitrogen-Doped Carbons with Encapsulated Metal Nanoparticles (Angew. Chem. 4/2020). *Angewandte Chemie*, **2020**, 132, 1759-1759	3.6	
568	Dipyrene-Fused Dicyclopenta[,]naphthalenes. *Journal of Organic Chemistry*, **2020**, 85, 215-223	4.2	11
567	Topological Defect-Induced Magnetism in a Nanographene. *Journal of the American Chemical Society*, **2020**, 142, 1147-1152	16.4	48
566	Fully Conjugated Phthalocyanine Copper Metal-Organic Frameworks for Sodium-Iodine Batteries with Long-Time-Cycling Durability. *Advanced Materials*, **2020**, 32, e1905361	24	83
565	Topological frustration induces unconventional magnetism in a nanographene. *Nature Nanotechnology*, **2020**, 15, 22-28	28.7	121
564	Bottom-Up Synthesis of Nitrogen-Doped Polycyclic Aromatic Hydrocarbons. *Synlett*, **2020**, 31, 211-222	2.2	8
563	A High-Voltage, Dendrite-Free, and Durable Zn-Graphite Battery. *Advanced Materials*, **2020**, 32, e1905681	14	56
562	Synthese von Vinyl-verknüpften zweidimensionalen konjugierten Polymeren via Horner-Wadsworth-Emmons-Reaktion. *Angewandte Chemie*, **2020**, 132, 23827-23832	3.6	8
561	A Curved Graphene Nanoribbon with Multi-Edge Structure and High Intrinsic Charge Carrier Mobility. *Journal of the American Chemical Society*, **2020**, 142, 18293-18298	16.4	16

560	Synthesis and Characterization of AIE-Active BN-Coordinated Phenalene Complexes. *Organic Materials*, **2020**, 02, 240-247	1.9	2
559	Electronic Devices Using Open Framework Materials. *Chemical Reviews*, **2020**, 120, 8581-8640	68.1	94
558	On-Surface Synthesis of Non-Benzenoid Nanographenes by Oxidative Ring-Closure and Ring-Rearrangement Reactions. *Journal of the American Chemical Society*, **2020**, 142, 13565-13572	16.4	15
557	Promoted oxygen reduction kinetics on nitrogen-doped hierarchically porous carbon by engineering proton-feeding centers. *Energy and Environmental Science*, **2020**, 13, 2849-2855	35.4	44
556	Multilayer stabilization for fabricating high-loading single-atom catalysts. *Nature Communications*, **2020**, 11, 5892	17.4	94
555	Designer spin order in diradical nanographenes. *Nature Communications*, **2020**, 11, 6076	17.4	15
554	Scalable Manufacturing of MXene Films: Moving toward Industrialization. *Matter*, **2020**, 3, 335-336	12.7	7
553	Synthetic Tailoring of Graphene Nanostructures with Zigzag-Edged Topologies: Progress and Perspectives. *Angewandte Chemie - International Edition*, **2020**, 59, 23386-23401	16.4	39
552	Maßgeschneiderte Synthese von Graphennanostrukturen mit Zickzack-Rändern. *Angewandte Chemie*, **2020**, 132, 23591-23607	3.6	15
551	Acidic Electrolytes: High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid (Adv. Funct. Mater. 31/2020). *Advanced Functional Materials*, **2020**, 30, 2070210	15.6	1
550	Near-atomic-scale observation of grain boundaries in a layer-stacked two-dimensional polymer. *Science Advances*, **2020**, 6, eabb5976	14.3	18
549	Hexa--benzocoronene with two extra K-regions in an -configuration. *Chemical Science*, **2020**, 11, 12816-12821	9.4	6
548	Synthesis of Vinylene-Linked Two-Dimensional Conjugated Polymers via the Horner-Wadsworth-Emmons Reaction. *Angewandte Chemie - International Edition*, **2020**, 59, 23620-23625	16.4	36
547	Vibrational signature of the graphene nanoribbon edge structure from high-resolution electron energy-loss spectroscopy. *Nanoscale*, **2020**, 12, 19681-19688	7.7	1
546	On-surface Synthesis of a Chiral Graphene Nanoribbon with Mixed Edge Structure. *Chemistry - an Asian Journal*, **2020**, 15, 3807-3811	4.5	9
545	Polymer-Based Batteries-Flexible and Thin Energy Storage Systems. *Advanced Materials*, **2020**, 32, e2000587	25.4	34
544	Luminescent sp2-Carbon-Linked 2D Conjugated Polymers with High Photostability. *Chemistry of Materials*, **2020**, 32, 7985-7991	9.6	25
543	Conjugated Acetylenic Polymers Grafted Cuprous Oxide as an Efficient Z-Scheme Heterojunction for Photoelectrochemical Water Reduction. *Advanced Materials*, **2020**, 32, e2002486	24	15

542	Collective All-Carbon Magnetism in Triangulene Dimers**. *Angewandte Chemie*, **2020**, 132, 12139-12145	3.6	8
541	Collective All-Carbon Magnetism in Triangulene Dimers. *Angewandte Chemie - International Edition*, **2020**, 59, 12041-12047	16.4	43
540	Tailoring Magnetic Features in Zigzag-Edged Nanographenes by Controlled Diels-Alder Reactions. *Chemistry - A European Journal*, **2020**, 26, 7497-7503	4.8	8
539	Ultrathin two-dimensional conjugated metal-organic framework single-crystalline nanosheets enabled by surfactant-assisted synthesis. *Chemical Science*, **2020**, 11, 7665-7671	9.4	44
538	Graphene and other 2D materials: a multidisciplinary analysis to uncover the hidden potential as cancer theranostics. *Theranostics*, **2020**, 10, 5435-5488	12.1	47
537	2D framework materials for energy applications. *Chemical Science*, **2020**, 12, 1600-1619	9.4	24
536	Emerging 2D Materials Produced via Electrochemistry. *Advanced Materials*, **2020**, 32, e1907857	24	72
535	Two-dimensional electronic spectroscopy of graphene nanoribbons in organic solution. *EPJ Web of Conferences*, **2019**, 205, 05005	0.3	
534	High-index faceted binary-metal selenide nanosheet arrays as efficient 3D electrodes for alkaline hydrogen evolution. *Nanoscale*, **2019**, 11, 17571-17578	7.7	19
533	Unveiling Electronic Properties in Metal-Phthalocyanine-Based Pyrazine-Linked Conjugated Two-Dimensional Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2019**, 141, 16810-16816	16.4	107
532	Engineering crystalline quasi-two-dimensional polyaniline thin film with enhanced electrical and chemiresistive sensing performances. *Nature Communications*, **2019**, 10, 4225	17.4	78
531	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. *Carbon*, **2019**, 146, 36-43	10.4	43
530	Synthesis and Characterization of Extended Triangulene. *Journal of the American Chemical Society*, **2019**, 141, 10621-10625	16.4	85
529	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. *Angewandte Chemie*, **2019**, 131, 10476-10482	3.6	5
528	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. *Angewandte Chemie - International Edition*, **2019**, 58, 10368-10374	16.4	24
527	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2019**, 131, 10787-10792	3.6	49
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