Jin Zhang

List of Publications by Citations

474 papers	23,110 citations	78 h-index	138 g-index
506 ext. papers	27,145 ext. citations	10.2 avg, IF	7.26 L-index

#	Paper	IF	Citations
474	Evidence of silicene in honeycomb structures of silicon on Ag(111). *Nano Letters*, **2012**, 12, 3507-11	11.5	1055
473	Experimental realization of two-dimensional boron sheets. *Nature Chemistry*, **2016**, 8, 563-8	17.6	996
472	Exploring atomic defects in molybdenum disulphide monolayers. *Nature Communications*, **2015**, 6, 6293	17.4	851
471	Can graphene be used as a substrate for Raman enhancement?. *Nano Letters*, **2010**, 10, 553-61	11.5	771
470	Evidence for Dirac fermions in a honeycomb lattice based on silicon. *Physical Review Letters*, **2012**, 109, 056804	7.4	577
469	Water adsorption on metal surfaces: A general picture from density functional theory studies. *Physical Review B*, **2004**, 69,	3.3	404
468	Graphene as a substrate to suppress fluorescence in resonance Raman spectroscopy. *Journal of the American Chemical Society*, **2009**, 131, 9890-1	16.4	395
467	Graphene: a platform for surface-enhanced Raman spectroscopy. *Small*, **2013**, 9, 1206-24	11	390
466	Robust Superhydrophobic Foam: A Graphdiyne-Based Hierarchical Architecture for Oil/Water Separation. *Advanced Materials*, **2016**, 28, 168-73	24	359
465	Raman enhancement effect on two-dimensional layered materials: graphene, h-BN and MoS2. *Nano Letters*, **2014**, 14, 3033-40	11.5	351
464	Synthesis of Graphdiyne Nanowalls Using Acetylenic Coupling Reaction. *Journal of the American Chemical Society*, **2015**, 137, 7596-9	16.4	350
463	Graphdiyne: synthesis, properties, and applications. *Chemical Society Reviews*, **2019**, 48, 908-936	58.5	337
462	Doping-Free Fabrication of Carbon Nanotube Based Ballistic CMOS Devices and Circuits. *Nano Letters*, **2007**, 7, 3603-3607	11.5	278
461	Graphdiyne: A Metal-Free Material as Hole Transfer Layer To Fabricate Quantum Dot-Sensitized Photocathodes for Hydrogen Production. *Journal of the American Chemical Society*, **2016**, 138, 3954-7	16.4	257
460	Dirac Fermions in Borophene. *Physical Review Letters*, **2017**, 118, 096401	7.4	256
459	Arrays of horizontal carbon nanotubes of controlled chirality grown using designed catalysts. *Nature*, **2017**, 543, 234-238	50.4	251
458	Creation of nanostructures with poly(methyl methacrylate)-mediated nanotransfer printing. *Journal of the American Chemical Society*, **2008**, 130, 12612-3	16.4	250

457	Identifying the crystalline orientation of black phosphorus using angle-resolved polarized Raman spectroscopy. *Angewandte Chemie - International Edition*, **2015**, 54, 2366-9	16.4	242
456	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. *ACS Nano*, **2018**, 12, 11756-11784	16.7	239
455	Nanoscale chiral rod-like molecular triads assembled from achiral polyoxometalates. *Journal of the American Chemical Society*, **2010**, 132, 14-5	16.4	220
454	Optical Anisotropy of Black Phosphorus in the Visible Regime. *Journal of the American Chemical Society*, **2016**, 138, 300-5	16.4	217
453	Vibrational recognition of hydrogen-bonded water networks on a metal surface. *Physical Review Letters*, **2002**, 89, 176104	7.4	207
452	Carbon science in 2016: Status, challenges and perspectives. *Carbon*, **2016**, 98, 708-732	10.4	200
451	Spontaneous symmetry breaking and dynamic phase transition in monolayer silicene. *Physical Review Letters*, **2013**, 110, 085504	7.4	193
450	First-layer effect in graphene-enhanced Raman scattering. *Small*, **2010**, 6, 2020-5	11	184
449	Natural dyes adsorbed on TiO2 nanowire for photovoltaic applications: enhanced light absorption and ultrafast electron injection. *Nano Letters*, **2008**, 8, 3266-72	11.5	181
448	"Cloning" of single-walled carbon nanotubes via open-end growth mechanism. *Nano Letters*, **2009**, 9, 1673-7	11.5	170
447	Growth of MoS(2(1-x))Se(2x) (x = 0.41-1.00) Monolayer Alloys with Controlled Morphology by Physical Vapor Deposition. *ACS Nano*, **2015**, 9, 7450-5	16.7	169
446	Two-dimensional molybdenum tungsten diselenide alloys: photoluminescence, Raman scattering, and electrical transport. *ACS Nano*, **2014**, 8, 7130-7	16.7	166
445	Controllable synthesis of brookite/anatase/rutile TiO2 nanocomposites and single-crystalline rutile nanorods array. *Journal of Materials Chemistry*, **2012**, 22, 7937		163
444	Synthesis of Hierarchical Graphdiyne-Based Architecture for Efficient Solar Steam Generation. *Chemistry of Materials*, **2017**, 29, 5777-5781	9.6	155
443	Low-temperature growth and properties of ZnO nanowires. *Applied Physics Letters*, **2004**, 84, 4941-4943	3.4	154
442	Effect of graphene Fermi level on the Raman scattering intensity of molecules on graphene. *ACS Nano*, **2011**, 5, 5338-44	16.7	151
441	Real-time, local basis-set implementation of time-dependent density functional theory for excited state dynamics simulations. *Journal of Chemical Physics*, **2008**, 129, 054110	3.9	151
440	First Principles Design of Dye Molecules with Ullazine Donor for Dye Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2013**, 117, 3772-3778	3.8	149

439	DNA nucleoside interaction and identification with carbon nanotubes. *Nano Letters*, **2007**, 7, 45-50	11.5	144
438	Direct Synthesis of Graphdiyne Nanowalls on Arbitrary Substrates and Its Application for Photoelectrochemical Water Splitting Cell. *Advanced Materials*, **2017**, 29, 1605308	24	140
437	Tellurium-Assisted Epitaxial Growth of Large-Area, Highly Crystalline ReS2 Atomic Layers on Mica Substrate. *Advanced Materials*, **2016**, 28, 5019-24	24	138
436	Molecular selectivity of graphene-enhanced Raman scattering. *Nano Letters*, **2015**, 15, 2892-901	11.5	136
435	Ultrathin graphdiyne film on graphene through solution-phase van der Waals epitaxy. *Science Advances*, **2018**, 4, eaat6378	14.3	134
434	Direct growth of semiconducting single-walled carbon nanotube array. *Journal of the American Chemical Society*, **2009**, 131, 14642-3	16.4	134
433	Controlled Synthesis of ZrS2 Monolayer and Few Layers on Hexagonal Boron Nitride. *Journal of the American Chemical Society*, **2015**, 137, 7051-4	16.4	133
432	Synthesis and electrical properties of carbon nanotube polyaniline composites. *Applied Physics Letters*, **2004**, 85, 1796-1798	3.4	125
431	Graphdiyne: A Promising Catalyst-Support To Stabilize Cobalt Nanoparticles for Oxygen Evolution. *ACS Catalysis*, **2017**, 7, 5209-5213	13.1	116
430	Electron and hole dynamics in dye-sensitized solar cells: influencing factors and systematic trends. *Nano Letters*, **2010**, 10, 1238-47	11.5	116
429	Lighting up the Raman signal of molecules in the vicinity of graphene related materials. *Accounts of Chemical Research*, **2015**, 48, 1862-70	24.3	115
428	Direct evidence of metallic bands in a monolayer boron sheet. *Physical Review B*, **2016**, 94,	3.3	113
427	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. *ACS Nano*, **2017**, 11, 12337-12345	16.7	112
426	Ordered and reversible hydrogenation of silicene. *Physical Review Letters*, **2015**, 114, 126101	7.4	106
425	Cap formation engineering: from opened C60 to single-walled carbon nanotubes. *Nano Letters*, **2010**, 10, 3343-9	11.5	106
424	CMP aerogels: ultrahigh-surface-area carbon-based monolithic materials with superb sorption performance. *Advanced Materials*, **2014**, 26, 8053-8	24	102
423	Few-Layer Graphene-Encapsulated Metal Nanoparticles for Surface-Enhanced Raman Spectroscopy. *Journal of Physical Chemistry C*, **2014**, 118, 8993-8998	3.8	101
422	Chemical Alignment of Oxidatively Shortened Single-Walled Carbon Nanotubes on Silver Surface. *Journal of Physical Chemistry B*, **2001**, 105, 5075-5078	3.4	101

421	Emergence of electron coherence and two-color all-optical switching in MoS2 based on spatial self-phase modulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11800-5	11.5	100
420	Enhanced Raman Scattering on In-Plane Anisotropic Layered Materials. *Journal of the American Chemical Society*, **2015**, 137, 15511-7	16.4	97
419	Probing the effect of molecular orientation on the intensity of chemical enhancement using graphene-enhanced Raman spectroscopy. *Small*, **2012**, 8, 1365-72	11	96
418	Growth of high-density horizontally aligned SWNT arrays using Trojan catalysts. *Nature Communications*, **2015**, 6, 6099	17.4	94
417	Diatomite-Templated Synthesis of Freestanding 3D Graphdiyne for Energy Storage and Catalysis Application. *Advanced Materials*, **2018**, 30, e1800548	24	93
416	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. *ACS Energy Letters*, **2016**, 1, 266-272	20.1	93
415	Graphene-Based Enhanced Raman Scattering toward Analytical Applications. *Chemistry of Materials* , **2016**, 28, 6426-6435	9.6	92
414	Synthesis and Applications of Graphdiyne-Based Metal-Free Catalysts. *Advanced Materials*, **2019**, 31, e1803762	24	92
413	Architecture of Graphdiyne-Containing Thin Film Using Modified Glaser-Hay Coupling Reaction for Enhanced Photocatalytic Property of TiO. *Advanced Materials*, **2017**, 29, 1700421	24	91
412	Identifying the Crystalline Orientation of Black Phosphorus Using Angle-Resolved Polarized Raman Spectroscopy. *Angewandte Chemie*, **2015**, 127, 2396-2399	3.6	91
411	2D graphdiyne materials: challenges and opportunities in energy field. *Science China Chemistry*, **2018**, 61, 765-786	7.9	89
410	Predicting Energy Conversion Efficiency of Dye Solar Cells from First Principles. *Journal of Physical Chemistry C*, **2014**, 118, 16447-16457	3.8	89
409	Robust Stacking-Independent Ultrafast Charge Transfer in MoS/WS Bilayers. *ACS Nano*, **2017**, 11, 12020-12026	12.7	89
408	Microscopic Dimensions Engineering: Stepwise Manipulation of the Surface Wettability on 3D Substrates for Oil/Water Separation. *Advanced Materials*, **2016**, 28, 936-42	24	89
407	pH-Dependent Synthesis of Novel Structure-Controllable Polymer-Carbon NanoDots with High Acidophilic Luminescence and Super Carbon Dots Assembly for White Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 4062-8	9.5	86
406	Theoretical models of eumelanin protomolecules and their optical properties. *Biophysical Journal*, **2008**, 94, 2095-105	2.9	86
405	Controlled growth of large-area anisotropic ReS atomic layer and its photodetector application. *Nanoscale*, **2016**, 8, 18956-18962	7.7	85
404	Sorting out Semiconducting Single-Walled Carbon Nanotube Arrays by Preferential Destruction of Metallic Tubes Using Xenon-Lamp Irradiation. *Journal of Physical Chemistry C*, **2008**, 112, 3849-3856	3.8	85

403	Surface-Enhanced Raman Scattering (SERS) from Azobenzene Self-Assembled Sandwiches. *Langmuir*, **1999**, 15, 16-19	4	85
402	Observation of Dirac cone warping and chirality effects in silicene. *ACS Nano*, **2013**, 7, 9049-54	16.7	83
401	Monitoring Local Strain Vector in Atomic-Layered MoSe by Second-Harmonic Generation. *Nano Letters*, **2017**, 17, 7539-7543	11.5	80
400	Raman Spectra and Corresponding Strain Effects in Graphyne and Graphdiyne. *Journal of Physical Chemistry C*, **2016**, 120, 10605-10613	3.8	80
399	Quantum Mode Selectivity of Plasmon-Induced Water Splitting on Gold Nanoparticles. *ACS Nano*, **2016**, 10, 5452-8	16.7	79
398	Pyrolysis-induced synthesis of iron and nitrogen-containing carbon nanolayers modified graphdiyne nanostructure as a promising core-shell electrocatalyst for oxygen reduction reaction. *Carbon*, **2017**, 119, 201-210	10.4	78
397	Nitrogen-Doped Carbon Nanotube Aerogels for High-Performance ORR Catalysts. *Small*, **2015**, 11, 3903-8	11	78
396	Design of a Photoactive Hybrid Bilayer Dielectric for Flexible Nonvolatile Organic Memory Transistors. *ACS Nano*, **2016**, 10, 436-45	16.7	77
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394	Raman Spectroscopy of Graphene. *Acta Chimica Sinica*, **2014**, 72, 301	3.3	76
393	A new phase diagram of water under negative pressure: The rise of the lowest-density clathrate s-III. *Science Advances*, **2016**, 2, e1501010	14.3	75
392	Chemical Vapor Deposition Growth of Linked Carbon Monolayers with Acetylenic Scaffoldings on Silver Foil. *Advanced Materials*, **2017**, 29, 1604665	24	74
391	Macroscopic Carbon Nanotube-based 3D Monoliths. *Small*, **2015**, 11, 3263-89	11	72
390	A universal etching-free transfer of MoS2 films for applications in photodetectors. *Nano Research*, **2015**, 8, 3662-3672	10	72
389	Solution-Processable High-Purity Semiconducting SWCNTs for Large-Area Fabrication of High-Performance Thin-Film Transistors. *Small*, **2016**, 12, 4993-4999	11	72
388	The chemistry of organoimido derivatives of polyoxometalates. *Dalton Transactions*, **2012**, 41, 3599-615	4.3	72
387	Interface-Engineered Plasmonics in Metal/Semiconductor Heterostructures. *Advanced Energy Materials*, **2016**, 6, 1600431	21.8	72
386	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. *Advanced Functional Materials*, **2019**, 29, 1808079	15.6	68

385	Atomic Pd on Graphdiyne/Graphene Heterostructure as Efficient Catalyst for Aromatic Nitroreduction. *Advanced Functional Materials*, **2019**, 29, 1905423	15.6	66
384	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. *Energy and Environmental Science*, **2020**, 13, 1326-1346	35.4	65
383	Synthesis of Ultrathin Graphdiyne Film Using a Surface Template. *ACS Applied Materials & Interfaces*, **2019**, 11, 2632-2637	9.5	65
382	Identifying sp-sp2 carbon materials by Raman and infrared spectroscopies. *Physical Chemistry Chemical Physics*, **2014**, 16, 11303-9	3.6	64
381	Suppressed superconductivity in substrate-supported □12 borophene by tensile strain and electron doping. *2D Materials*, **2017**, 4, 025032	5.9	63
380	Diameter-Specific Growth of Semiconducting SWNT Arrays Using Uniform Mo2C Solid Catalyst. *Journal of the American Chemical Society*, **2015**, 137, 8904-7	16.4	63
379	Large-Scale and Flexible Optical Synapses for Neuromorphic Computing and Integrated Visible Information Sensing Memory Processing. *ACS Nano*, **2021**, 15, 1497-1508	16.7	63
378	Chemical vapor deposition growth of single-walled carbon nanotubes with controlled structures for nanodevice applications. *Accounts of Chemical Research*, **2014**, 47, 2273-81	24.3	62
377	Discovery of 2D Anisotropic Dirac Cones. *Advanced Materials*, **2018**, 30, 1704025	24	62
376	SnO@PANI Core-Shell Nanorod Arrays on 3D Graphite Foam: A High-Performance Integrated Electrode for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 9620-9629	9.5	61
375	Interlayer-State-Coupling Dependent Ultrafast Charge Transfer in MoS/WS Bilayers. *Advanced Science*, **2017**, 4, 1700086	13.6	61
374	Atomic Disorders Induced by Silver and Magnesium Ion Migrations Favor High Thermoelectric Performance in □MgAgSb-Based Materials. *Advanced Functional Materials*, **2015**, 25, 6478-6488	15.6	61
373	Influence of water on the electronic structure of metal-supported graphene: Insights from van der Waals density functional theory. *Physical Review B*, **2012**, 85,	3.3	61
372	Structure□Property Relations in All-Organic Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2013**, 23, 424-429	15.6	61
371	State of the art of single-walled carbon nanotube synthesis on surfaces. *Advanced Materials*, **2014**, 26, 5898-922	24	60
370	Density controlled oil uptake and beyond: from carbon nanotubes to graphene nanoribbon aerogels. *Journal of Materials Chemistry A*, **2015**, 3, 20547-20553	13	58
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368	The Origin of Oxygen Vacancies Controlling La2/3Sr1/3MnO3 Electronic and Magnetic Properties. *Advanced Materials Interfaces*, **2016**, 3, 1500753	4.6	58

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364	Characterizing hydrophobicity of amino acid side chains in a protein environment via measuring contact angle of a water nanodroplet on planar peptide network. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12946-12951	11.5	56
363	Separation of metallic and semiconducting single-walled carbon nanotube arrays by "scotch tape". *Angewandte Chemie - International Edition*, **2011**, 50, 6819-23	16.4	56
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360	Side-group chemical gating via reversible optical and electric control in a single molecule transistor. *Nature Communications*, **2019**, 10, 1450	17.4	53
359	Birefringence-Directed Raman Selection Rules in 2D Black Phosphorus Crystals. *Small*, **2016**, 12, 2627-33	11	53
358	Spotting the differences in two-dimensional materials - the Raman scattering perspective. *Chemical Society Reviews*, **2018**, 47, 3217-3240	58.5	51
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356	Anomalous Polarized Raman Scattering and Large Circular Intensity Differential in Layered Triclinic ReS. *ACS Nano*, **2017**, 11, 10366-10372	16.7	50
355	Electric-Field-Assisted Growth of Vertical Graphene Arrays and the Application in Thermal Interface Materials. *Advanced Functional Materials*, **2020**, 30, 2003302	15.6	50
354	Chemical vapor deposition synthesis of near-zigzag single-walled carbon nanotubes with stable tube-catalyst interface. *Science Advances*, **2016**, 2, e1501729	14.3	50
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352	Epitaxial growth of large-area and highly crystalline anisotropic ReSe2 atomic layer. *Nano Research*, **2017**, 10, 2732-2742	10	47
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348	Transport behavior of water molecules through two-dimensional nanopores. *Journal of Chemical Physics*, **2014**, 141, 18C528	3.9	43
347	Helicity-dependent single-walled carbon nanotube alignment on graphite for helical angle and handedness recognition. *Nature Communications*, **2013**, 4, 2205	17.4	43
346	Toward the Chemistry of Carboxylic Single-Walled Carbon Nanotubes by Chemical Force Microscopy. *Journal of Physical Chemistry B*, **2002**, 106, 4139-4144	3.4	43
345	Designing Catalysts for Chirality-Selective Synthesis of Single-Walled Carbon Nanotubes: Past Success and Future Opportunity. *Advanced Materials*, **2019**, 31, e1800805	24	43
344	Exploring Approaches for the Synthesis of Few-Layered Graphdiyne. *Advanced Materials*, **2019**, 31, e1803758	24	42
343	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. *Nature Catalysis*, **2018**, 1, 326-331	36.5	42
342	Electrostatic Functionalization and Passivation of Water-Exfoliated Few-Layer Black Phosphorus by Poly Dimethyldiallyl Ammonium Chloride and Its Ultrafast Laser Application. *ACS Applied Materials & Interfaces*, **2018**, 10, 9679-9687	9.5	41
341	Nonlinear Rashba spin splitting in transition metal dichalcogenide monolayers. *Nanoscale*, **2016**, 8, 17854-17860	7.7	41
340	Novel Excitonic Solar Cells in Phosphorene-TiO2 Heterostructures with Extraordinary Charge Separation Efficiency. *Journal of Physical Chemistry Letters*, **2016**, 7, 1880-7	6.4	41
339	Template Synthesis of an Ultrathin Graphdiyne-Like Film Using the Eglinton Coupling Reaction. *ACS Applied Materials & Interfaces*, **2019**, 11, 2734-2739	9.5	41
338	Water adsorption on a NaCl (001) surface: A density functional theory study. *Physical Review B*, **2006**, 74,	3.3	40
337	Field and temperature dependence of intrinsic diamagnetism in graphene: Theory and experiment. *Physical Review B*, **2015**, 91,	3.3	39
336	Sorting out semiconducting single-walled carbon nanotube arrays by preferential destruction of metallic tubes using water. *Journal of Materials Chemistry*, **2011**, 21, 11815		39
335	Bimetallic Catalysts for the Efficient Growth of SWNTs on Surfaces. *Chemistry of Materials*, **2004**, 16, 799-805	9.6	39
334	Crinkling Ultralong Carbon Nanotubes into Serpentines by a Controlled Landing Process. *Advanced Materials*, **2009**, 21, 4158-4162	24	38
333	Graphdiyne Filter for Decontaminating Lead-Ion-Polluted Water. *Advanced Electronic Materials*, **2017**, 3, 1700122	6.4	37
332	New Pathway for Hot Electron Relaxation in Two-Dimensional Heterostructures. *Nano Letters*, **2018**, 18, 6057-6063	11.5	37

331	Mechanisms for ultrafast nonradiative relaxation in electronically excited eumelanin constituents. *Biophysical Journal*, **2008**, 95, 4396-402	2.9	37
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329	Selective adsorption and electronic interaction of F16CuPc on epitaxial graphene. *Physical Review B* , **2010**, 82,	3.3	36
328	Temperature-Mediated Engineering of Graphdiyne Framework Enabling High-Performance Potassium Storage. *Advanced Functional Materials*, **2020**, 30, 2003039	15.6	35
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324	Selective scission of C-O and C-C bonds in ethanol using bimetal catalysts for the preferential growth of semiconducting SWNT arrays. *Journal of the American Chemical Society*, **2015**, 137, 1012-5	16.4	34
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322	Modeling charge recombination in dye-sensitized solar cells using first-principles electron dynamics: effects of structural modification. *Physical Chemistry Chemical Physics*, **2013**, 15, 17187-94	3.6	34
321	A Double-Tailed Fluorescent Surfactant with a Hexavanadate Cluster as the Head Group. *Angewandte Chemie*, **2011**, 123, 2569-2573	3.6	34
320	Core-shell Ag@nitrogen-doped carbon quantum dots modified BiVO4 nanosheets with enhanced photocatalytic performance under Vis-NIR light: Synergism of molecular oxygen activation and surface plasmon resonance. *Chemical Engineering Journal*, **2021**, 410, 128336	14.7	34
319	Growth of Horizontal Semiconducting SWNT Arrays with Density Higher than 100 tubes/μm using Ethanol/Methane Chemical Vapor Deposition. *Journal of the American Chemical Society*, **2016**, 138, 6727-30	16.4	34
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316	Growth kinetics of single-walled carbon nanotubes with a (2,) chirality selection. *Science Advances*, **2019**, 5, eaav9668	14.3	32
315	True-color real-time imaging and spectroscopy of carbon nanotubes on substrates using enhanced Rayleigh scattering. *Nano Research*, **2015**, 8, 2721-2732	10	31
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313	Intelligent identification of two-dimensional nanostructures by machine-learning optical microscopy. *Nano Research*, **2018**, 11, 6316-6324	10	31
312	Large-area growth of ultra-high-density single-walled carbon nanotube arrays on sapphire surface. *Nano Research*, **2015**, 8, 3694-3703	10	30
311	High-Yield Formation of Graphdiyne Macrocycles through On-Surface Assembling and Coupling Reaction. *ACS Nano*, **2018**, 12, 12612-12618	16.7	30
310	Hybrid-dimensional magnetic microstructure based 3D substrates for remote controllable and ultrafast water remediation. *Journal of Materials Chemistry A*, **2016**, 4, 938-943	13	29
309	Theoretical investigation of the C60/copper phthalocyanine organic photovoltaic heterojunction. *Nano Research*, **2012**, 5, 248-257	10	29
308	Synthesis of Hydrogen-Substituted Graphyne Film for Lithium-Sulfur Battery Applications. *Small*, **2019**, 15, e1805344	11	29
307	In Situ Quantitative Graphene-Based Surface-Enhanced Raman Spectroscopy. *Small Methods*, **2017**, 1, 1700126	12.8	28
306	Catalyst-Free Synthesis of Few-Layer Graphdiyne Using a Microwave-Induced Temperature Gradient at a Solid/Liquid Interface. *Advanced Functional Materials*, **2020**, 30, 2001396	15.6	28
305	Effect of Cation-□nteraction on Macroionic Self-Assembly. *Angewandte Chemie - International Edition*, **2018**, 57, 4067-4072	16.4	28
304	Ultrathermostable, Magnetic-Driven, and Superhydrophobic Quartz Fibers for Water Remediation. *ACS Applied Materials & Interfaces*, **2016**, 8, 1025-32	9.5	28
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302	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. *Journal of Materials Chemistry A*, **2015**, 3, 5617-5627	13	28
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299	Horizontal Single-Walled Carbon Nanotube Arrays: Controlled Synthesis, Characterizations, and Applications. *Chemical Reviews*, **2020**, 120, 12592-12684	68.1	27
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