

Wei Chen

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442
papers

28,399
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153
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456
ext. papers

33,084
ext. citations

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L-index

#	Paper	IF	Citations
442	High-index faceted Ni ₃ S ₂ nanosheet arrays as highly active and ultrastable electrocatalysts for water splitting. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14023-6	16.4	1291
441	Atomically dispersed Ni(i) as the active site for electrochemical CO ₂ reduction. <i>Nature Energy</i> , 2018 , 3, 140-147	62.3	1046
440	Graphene-supported nanoelectrocatalysts for fuel cells: synthesis, properties, and applications. <i>Chemical Reviews</i> , 2014 , 114, 5117-60	68.1	790
439	Effect of confinement in carbon nanotubes on the activity of Fischer-Tropsch iron catalyst. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9414-9	16.4	623
438	Solution-gated epitaxial graphene as pH sensor. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14392-3	16.4	602
437	A Review of Phosphide-Based Materials for Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2015 , 5, 1500985	21.8	567
436	Raman Studies of Monolayer Graphene: The Substrate Effect. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10637-10640	3.8	567
435	Graphene: promises, facts, opportunities, and challenges in nanomedicine. <i>Chemical Reviews</i> , 2013 , 113, 3407-24	68.1	563
434	Surface transfer p-type doping of epitaxial graphene. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10418-22	16.4	517
433	Black phosphorus quantum dots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3653-7	16.4	491
432	Epitaxial Growth of Single Layer Blue Phosphorus: A New Phase of Two-Dimensional Phosphorus. <i>Nano Letters</i> , 2016 , 16, 4903-8	11.5	490
431	Raman spectroscopy of epitaxial graphene on a SiC substrate. <i>Physical Review B</i> , 2008 , 77,	3.3	429
430	Two-dimensional transition metal dichalcogenides: interface and defect engineering. <i>Chemical Society Reviews</i> , 2018 , 47, 3100-3128	58.5	381
429	Electrochemically reduced single-layer MoS ₂ nanosheets: characterization, properties, and sensing applications. <i>Small</i> , 2012 , 8, 2264-70	11	333
428	Role of metal contacts in high-performance phototransistors based on WSe ₂ monolayers. <i>ACS Nano</i> , 2014 , 8, 8653-61	16.7	317
427	Bandgap tunability at single-layer molybdenum disulphide grain boundaries. <i>Nature Communications</i> , 2015 , 6, 6298	17.4	291
426	Surface transfer doping induced effective modulation on ambipolar characteristics of few-layer black phosphorus. <i>Nature Communications</i> , 2015 , 6, 6485	17.4	285

425	Tuning of redox properties of iron and iron oxides via encapsulation within carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7421-6	16.4	284
424	MoS Field-Effect Transistor with Sub-10 nm Channel Length. <i>Nano Letters</i> , 2016 , 16, 7798-7806	11.5	283
423	Identification of the Dynamic Behavior of Oxygen Vacancy-Rich CoO for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12087-12095	16.4	279
422	Preparation of supercapacitor electrodes through selection of graphene surface functionalities. <i>ACS Nano</i> , 2012 , 6, 5941-51	16.7	279
421	Wafer-Scale Growth and Transfer of Highly-Oriented Monolayer MoS Continuous Films. <i>ACS Nano</i> , 2017 , 11, 12001-12007	16.7	264
420	Recent advances in graphene-based nanomaterials for fabricating electrochemical hydrogen peroxide sensors. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 249-268	11.8	243
419	Oxygen-Assisted Chemical Vapor Deposition Growth of Large Single-Crystal and High-Quality Monolayer MoS ₂ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 15632-5	16.4	243
418	Surface transfer doping of semiconductors. <i>Progress in Surface Science</i> , 2009 , 84, 279-321	6.6	240
417	Towards single molecule switches. <i>Chemical Society Reviews</i> , 2015 , 44, 2998-3022	58.5	237
416	Recent advances in understanding of the mechanism and control of LiO formation in aprotic Li-O batteries. <i>Chemical Society Reviews</i> , 2017 , 46, 6046-6072	58.5	235
415	Bottom-up growth of epitaxial graphene on 6H-SiC(0001). <i>ACS Nano</i> , 2008 , 2, 2513-8	16.7	219
414	Tuning the electronic structure of graphene by an organic molecule. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2-5	3.4	207
413	Organic/Organic Heterojunction Interfaces: Effect of Molecular Orientation. <i>Advanced Functional Materials</i> , 2011 , 21, 410-424	15.6	193
412	Electronic structure of graphite oxide and thermally reduced graphite oxide. <i>Carbon</i> , 2011 , 49, 1362-1366	6.4	187
411	Vapour-liquid-solid growth of monolayer MoS nanoribbons. <i>Nature Materials</i> , 2018 , 17, 535-542	27	185
410	Electron-doping-enhanced trion formation in monolayer molybdenum disulfide functionalized with cesium carbonate. <i>ACS Nano</i> , 2014 , 8, 5323-9	16.7	185
409	High carbon-resistance Ni/CeAlO ₃ -Al ₂ O ₃ catalyst for CH ₄ /CO ₂ reforming. <i>Applied Catalysis B: Environmental</i> , 2013 , 136-137, 260-268	21.8	181
408	Colossal Ultraviolet Photoresponsivity of Few-Layer Black Phosphorus. <i>ACS Nano</i> , 2015 , 9, 8070-7	16.7	175

407	Plasmonic enhancement of photocurrent in MoS2 field-effect-transistor. <i>Applied Physics Letters</i> , 2013 , 102, 203109	3.4	175
406	Synthesis and photovoltaic effect in dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene-based conjugated polymers. <i>Advanced Materials</i> , 2013 , 25, 838-43	24	167
405	Atomic structure of the 6HSiC(0001) nanomesh. <i>Surface Science</i> , 2005 , 596, 176-186	1.8	165
404	Giant two-photon absorption in bilayer graphene. <i>Nano Letters</i> , 2011 , 11, 2622-7	11.5	164
403	Structural and electronic properties of PTCDA thin films on epitaxial graphene. <i>ACS Nano</i> , 2009 , 3, 3431-66.7	6.7	160
402	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 1903008	21.8	154
401	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. <i>Chemistry of Materials</i> , 2008 , 20, 7017-7021	9.6	140
400	Black Phosphorus Quantum Dots for Hole Extraction of Typical Planar Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 591-598	6.4	139
399	Manipulating the electronic and chemical properties of graphene via molecular functionalization. <i>Progress in Surface Science</i> , 2013 , 88, 132-159	6.6	138
398	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density LiO2 Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806658	15.6	138
397	Unraveling Charge State of Supported Au Single-Atoms during CO Oxidation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 554-557	16.4	134
396	Two-dimensional multibit optoelectronic memory with broadband spectrum distinction. <i>Nature Communications</i> , 2018 , 9, 2966	17.4	131
395	B, N Codoped and Defect-Rich Nanocarbon Material as a Metal-Free Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Advanced Science</i> , 2018 , 5, 1800036	13.6	126
394	Surface transfer hole doping of epitaxial graphene using MoO3 thin film. <i>Applied Physics Letters</i> , 2010 , 96, 213104	3.4	125
393	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by "Solution Epitaxy". <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9519-23	16.4	125
392	Single Nickel Atoms Anchored on Nitrogen-Doped Graphene as a Highly Active Cocatalyst for Photocatalytic H2 Evolution. <i>ACS Catalysis</i> , 2018 , 8, 11863-11874	13.1	124
391	Tuning the Dirac point in CVD-grown graphene through solution processed n-type doping with 2-(2-methoxyphenyl)-1,3-dimethyl-2,3-dihydro-1H-benzimidazole. <i>Nano Letters</i> , 2013 , 13, 1890-7	11.5	120
390	Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9131-9135	16.4	115

389	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. <i>Applied Physics Letters</i> , 2011 , 98, 193113	3.4	115
388	Acid-Resistant Catalysis without Use of Noble Metals: Carbon Nitride with Underlying Nickel. <i>ACS Catalysis</i> , 2014 , 4, 2536-2543	13.1	114
387	Gap states assisted MoO ₃ nanobelt photodetector with wide spectrum response. <i>Scientific Reports</i> , 2014 , 4, 4891	4.9	113
386	Critical crystal growth of graphene on dielectric substrates at low temperature for electronic devices. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14121-6	16.4	113
385	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. <i>Nature Communications</i> , 2019 , 10, 1330	17.4	111
384	Engineering the Electronic Structure of MoS ₂ Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. <i>ACS Catalysis</i> , 2018 , 8, 7585-7592	13.1	111
383	Selective reduction of CO ₂ by conductive MOF nanosheets as an efficient co-catalyst under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 339-345	21.8	110
382	Unveiling the Role of Defects on Oxygen Activation and Photodegradation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2018 , 52, 13879-13886	10.3	110
381	Controllable unzipping for intramolecular junctions of graphene nanoribbons and single-walled carbon nanotubes. <i>Nature Communications</i> , 2013 , 4, 1374	17.4	109
380	Growth intermediates for CVD graphene on Cu(111): carbon clusters and defective graphene. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8409-14	16.4	109
379	Plasmon dispersion on epitaxial graphene studied using high-resolution electron energy-loss spectroscopy. <i>Physical Review B</i> , 2009 , 80,	3.3	106
378	Atomic engineering of high-density isolated Co atoms on graphene with proximal-atom controlled reaction selectivity. <i>Nature Communications</i> , 2018 , 9, 3197	17.4	105
377	Low temperature critical growth of high quality nitrogen doped graphene on dielectrics by plasma-enhanced chemical vapor deposition. <i>ACS Nano</i> , 2015 , 9, 164-71	16.7	104
376	Ultrathin MnO(2) nanoflakes as efficient catalysts for oxygen reduction reaction. <i>Chemical Communications</i> , 2014 , 50, 7885-8	5.8	103
375	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021 , 12, 3021	17.4	102
374	Single-atom catalysts and their applications in organic chemistry. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8793-8814	13	100
373	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017 , 17, 4122-4129	11.5	99
372	Porous cobalt-manganese oxide nanocubes derived from metal organic frameworks as a cathode catalyst for rechargeable Li-O ₂ batteries. <i>Nanoscale</i> , 2015 , 7, 720-6	7.7	97

371	Lattice-Directed Formation of Covalent and Organometallic Molecular Wires by Terminal Alkynes on Ag Surfaces. <i>ACS Nano</i> , 2015 , 9, 6305-14	16.7	97
370	Improved photoelectrical properties of MoS(2) films after laser micromachining. <i>ACS Nano</i> , 2014 , 8, 6334-43	16.7	94
369	Surface transfer doping of diamond (100) by tetrafluoro-tetracyanoquinodimethane. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8084-5	16.4	93
368	Uniform and ultrathin high- γ gate dielectrics for two-dimensional electronic devices. <i>Nature Electronics</i> , 2019 , 2, 563-571	28.4	93
367	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , 2017 , 11, 4943-4949	16.7	92
366	Growth of millimeter-size single crystal graphene on Cu foils by circumfluence chemical vapor deposition. <i>Scientific Reports</i> , 2014 , 4, 4537	4.9	91
365	Enhanced visible-light activity of titania via confinement inside carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14896-9	16.4	91
364	Porous perovskite LaNiO ₃ nanocubes as cathode catalysts for Li-O ₂ batteries with low charge potential. <i>Scientific Reports</i> , 2014 , 4, 6005	4.9	89
363	Facile synthesis of CdS@TiO ₂ core-shell nanorods with controllable shell thickness and enhanced photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2015 , 349, 279-286	6.7	88
362	Quasi-free-standing epitaxial graphene on SiC (0001) by fluorine intercalation from a molecular source. <i>ACS Nano</i> , 2011 , 5, 7662-8	16.7	87
361	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019 , 31, e1901185	24	85
360	Lending Triarylphosphine Oxide to Phenanthroline: a Facile Approach to High-Performance Organic Small-Molecule Cathode Interfacial Material for Organic Photovoltaics utilizing Air-Stable Cathodes. <i>Advanced Functional Materials</i> , 2014 , 24, 6540-6547	15.6	84
359	Tuning the metal-support interaction in catalysts for highly efficient methane dry reforming reaction. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 511-520	21.8	82
358	Mechanism of the Fermi level pinning at organic donor-acceptor heterojunction interfaces. <i>Organic Electronics</i> , 2011 , 12, 534-540	3.5	81
357	Modulating electronic transport properties of MoS ₂ field effect transistor by surface overlayers. <i>Applied Physics Letters</i> , 2013 , 103, 063109	3.4	80
356	Bimetal MOF derived mesocrystal ZnCo ₂ O ₄ on rGO with High performance in visible-light photocatalytic NO oxidization. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 304-313	21.8	80
355	Linear tuning of charge carriers in graphene by organic molecules and charge-transfer complexes. <i>Physical Review B</i> , 2010 , 81,	3.3	79
354	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015 , 51, 11777-9	5.8	78

353	Composites of a Prussian Blue Analogue and Gelatin-Derived Nitrogen-Doped Carbon-Supported Porous Spinel Oxides as Electrocatalysts for a Zn/Air Battery. <i>Advanced Energy Materials</i> , 2016 , 6, 1601052	21.8	77
352	Facile synthesis of uniform Fe ₂ O ₃ crystals and their facet-dependent catalytic performance in the photo-Fenton reaction. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7242	13	76
351	Air-stable efficient inverted polymer solar cells using solution-processed nanocrystalline ZnO interfacial layer. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4696-701	9.5	75
350	Molecular Orientation Dependent Energy Level Alignment at Organic/Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12832-12839	3.8	74
349	The Raman redshift of graphene impacted by gold nanoparticles. <i>AIP Advances</i> , 2015 , 5, 057133	1.5	73
348	Surface Transfer Doping-Induced, High-Performance Graphene/Silicon Schottky Junction-Based, Self-Powered Photodetector. <i>Small</i> , 2015 , 11, 4829-36	11	73
347	Black Phosphorus Quantum Dots. <i>Angewandte Chemie</i> , 2015 , 127, 3724-3728	3.6	73
346	Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. <i>Nano Energy</i> , 2019 , 57, 34-40	17.1	73
345	High-Performance Hierarchical Black-Phosphorous-Based Soft Electrochemical Actuators in Bioinspired Applications. <i>Advanced Materials</i> , 2019 , 31, e1806492	24	72
344	Tunable two-dimensional binary molecular networks. <i>Small</i> , 2010 , 6, 70-5	11	72
343	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO Perovskite and Its Application for Biomedical Assays. <i>Theranostics</i> , 2017 , 7, 2277-2286	12.1	71
342	Effect of oxygen adsorbability on the control of Li ₂ O ₂ growth in Li-O ₂ batteries: Implications for cathode catalyst design. <i>Nano Energy</i> , 2017 , 36, 68-75	17.1	69
341	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2021 , 2108017-0	3.8	69
340	Synthesis of hierarchical porous MnO ₂ nanoboxes as an efficient catalyst for rechargeable Li-O ₂ batteries. <i>Nanoscale</i> , 2015 , 7, 14881-8	7.7	68
339	Dynamic Oxygen on Surface: Catalytic Intermediate and Coking Barrier in the Modeled CO ₂ Reforming of CH ₄ on Ni (111). <i>ACS Catalysis</i> , 2016 , 6, 4330-4339	13.1	67
338	Molecular orientation dependent interfacial dipole at the F16CuPc/CuPc organic heterojunction interface. <i>Applied Physics Letters</i> , 2008 , 92, 063308	3.4	67
337	Microwave-Induced Metal Dissolution Synthesis of Core/Shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution. <i>Advanced Energy Materials</i> , 2019 , 9, 1900775	21.8	65
336	Heterostructured NiS/ZnInS Realizing Toroid-like LiO Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. <i>ACS Nano</i> , 2020 , 14, 3490-3499	16.7	64

335	Molecular orientation transition of organic thin films on graphite: the effect of intermolecular electrostatic and interfacial dispersion forces. <i>Chemical Communications</i> , 2008 , 4276-8	5.8	64
334	Enhanced catalytic performance of Ir catalysts supported on ceria-based solid solutions for methane dry reforming reaction. <i>Catalysis Today</i> , 2017 , 281, 295-303	5.3	63
333	Charge transfer across the molecule/metal interface using the core hole clock technique. <i>Surface Science Reports</i> , 2008 , 63, 465-486	12.9	63
332	Quasi-Monolayer Black Phosphorus with High Mobility and Air Stability. <i>Advanced Materials</i> , 2018 , 30, 1704619	24	62
331	Defect chemistry in 2D materials for electrocatalysis. <i>Materials Today Energy</i> , 2019 , 12, 215-238	7	62
330	Hard corona composition and cellular toxicities of the graphene sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 212-8	6	61
329	Facile synthesis of hierarchical porous Co ₃ O ₄ nanoboxes as efficient cathode catalysts for LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6350-6356	13	61
328	Reversible single-molecule switching in an ordered monolayer molecular dipole array. <i>Small</i> , 2012 , 8, 1423-8	11	60
327	Low-Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F16CuPc Thin Films on Ag(111). <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14913-14918	3.8	59
326	Low-Temperature Scanning Tunneling Microscopy and Near-Edge X-ray Absorption Fine Structure Investigations of Molecular Orientation of Copper(II) Phthalocyanine Thin Films at Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5036-5042	3.8	59
325	C60 molecular chains on alpha-sexithiophene nanostripes. <i>Small</i> , 2007 , 3, 2015-8	11	59
324	Molecular orientation of 3, 4, 9, 10-perylene-tetracarboxylic-dianhydride thin films at organic heterojunction interfaces. <i>Applied Physics Letters</i> , 2007 , 91, 114102	3.4	59
323	Tuning the hole injection barrier at the organic/metal interface with self-assembled functionalized aromatic thiols. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 26075-80	3.4	59
322	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11198-11202	16.4	57
321	Tuning the electronic and structural properties of WO ₃ nanocrystals by varying transition metal tungstate precursors. <i>RSC Advances</i> , 2014 , 4, 62423-62429	3.7	57
320	Two-dimensional pentacene:3,4,9,10-perylenetetracarboxylic dianhydride supramolecular chiral networks on Ag(111). <i>Journal of the American Chemical Society</i> , 2008 , 130, 12285-9	16.4	57
319	Laser patterning of epitaxial graphene for Schottky junction photodetectors. <i>ACS Nano</i> , 2011 , 5, 5969-756.7	56.7	56
318	Preferential trapping of C60 in nanomesh voids. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2720-1	16.4	56

3 ¹⁷	Probing epitaxial growth of graphene on silicon carbide by metal decoration. <i>Applied Physics Letters</i> , 2008 , 92, 104102	3.4	56
3 ¹⁶	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020 , 24, 336-342	19.4	55
3 ¹⁵	Device Performance of the Mott Insulator LaVO ₃ as a Photovoltaic Material. <i>Physical Review Applied</i> , 2015 , 3,	4.3	54
3 ¹⁴	Ultrathin PtPdCu Nanowires Fused Porous Architecture with 3D Molecular Accessibility: An Active and Durable Platform for Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26333-9	9.5	54
3 ¹³	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018 , 10, 21575-21603	7.7	54
3 ¹²	Surface-Transfer Doping of Organic Semiconductors Using Functionalized Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2007 , 17, 1339-1344	15.6	53
3 ¹¹	Uniform Mesoporous Anatase Brookite Biphase TiO ₂ Hollow Spheres with High Crystallinity via Ostwald Ripening. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21718-21723	3.8	51
3 ¹⁰	Low-temperature, bottom-up synthesis of graphene via a radical-coupling reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9050-4	16.4	51
3 ⁰⁹	Surface Structure and Electronic Properties of In ₂ O ₃ (111) Single-Crystal Thin Films Grown on Y-Stabilized ZrO ₂ (111). <i>Chemistry of Materials</i> , 2009 , 21, 4353-4355	9.6	51
3 ⁰⁸	Tunable Arrays of C ₆₀ Molecular Chains. <i>Advanced Materials</i> , 2008 , 20, 484-488	24	51
3 ⁰⁷	Fabrication and Properties of a Free-Standing Two-Dimensional Titania. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15414-15419	16.4	50
3 ⁰⁶	Molecular orientation of CuPc thin films on C ₆₀ /Ag(111). <i>Applied Physics Letters</i> , 2009 , 94, 163304	3.4	50
3 ⁰⁵	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22428-22437	3.8	49
3 ⁰⁴	Probing the ultrafast electron transfer at the CuPc/Au(111) interface. <i>Applied Physics Letters</i> , 2006 , 88, 184102	3.4	49
3 ⁰³	Nonvolatile and Programmable Photodoping in MoTe for Photoresist-Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1804470	24	49
3 ⁰²	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. <i>Nature Communications</i> , 2017 , 8, 15070	17.4	48
3 ⁰¹	CO ₂ methanation over a Ni based ordered mesoporous catalyst for the production of synthetic natural gas. <i>RSC Advances</i> , 2016 , 6, 28489-28499	3.7	48
3 ⁰⁰	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. <i>Journal of Applied Physics</i> , 2009 , 106, 064910	2.5	48

299	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. <i>ACS Nano</i> , 2017 , 11, 9128-9135	16.7	47
298	Monodispersed Ru Nanoparticles Functionalized Graphene Nanosheets as Efficient Cathode Catalysts for O-Assisted Li-CO Battery. <i>ACS Omega</i> , 2017 , 2, 9280-9286	3.9	47
297	The role of gap states in the energy level alignment at the organic-organic heterojunction interfaces. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14127-41	3.6	47
296	Orientationally ordered C60 on p-sexiphenyl nanostripes on Ag111. <i>ACS Nano</i> , 2008 , 2, 693-8	16.7	47
295	Porous CuO nanotubes/graphene with sandwich architecture as high-performance anodes for lithium-ion batteries. <i>Nanoscale</i> , 2016 , 8, 19343-19351	7.7	45
294	CNTs threaded (001) exposed TiO2 with high activity in photocatalytic NO oxidation. <i>Nanoscale</i> , 2016 , 8, 2899-907	7.7	45
293	Thermally stable Ir/Ce0.9La0.1O2 catalyst for high temperature methane dry reforming reaction. <i>Nano Research</i> , 2017 , 10, 364-380	10	45
292	Effect of functional group (fluorine) of aromatic thiols on electron transfer at the molecule-metal interface. <i>Journal of the American Chemical Society</i> , 2006 , 128, 935-9	16.4	45
291	Synthesis of porous CoMoO nanorods as a bifunctional cathode catalyst for a Li-O battery and superior anode for a Li-ion battery. <i>Nanoscale</i> , 2017 , 9, 3898-3904	7.7	44
290	Scanning tunneling microscopy investigation of self-assembled CuPc/F16CuPc binary superstructures on graphite. <i>Langmuir</i> , 2010 , 26, 3329-34	4	44
289	Large-size linear and star-shaped dihydropyrazine fused pyrazinacenes. <i>Organic Letters</i> , 2012 , 14, 494-7	6.2	43
288	Observation of room-temperature high-energy resonant excitonic effects in graphene. <i>Physical Review B</i> , 2011 , 84,	3.3	43
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