## Hyeon S Shin

## List of Publications by Citations

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131 124 17,293 54 h-index g-index citations papers 19,765 6.79 13.1 135 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
124	The chemistry of two-dimensional layered transition metal dichalcogenide nanosheets. <i>Nature Chemistry</i> , <b>2013</b> , 5, 263-75	17.6	6689
123	High yield exfoliation of two-dimensional chalcogenides using sodium naphthalenide. <i>Nature Communications</i> , <b>2014</b> , 5, 2995	17.4	556
122	A General Approach to Preferential Formation of Active Fe-N Sites in Fe-N/C Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15046-15056	16.4	523
121	High-quality graphene via microwave reduction of solution-exfoliated graphene oxide. <i>Science</i> , <b>2016</b> , 353, 1413-1416	33.3	521
120	Low-dimensional catalysts for hydrogen evolution and CO2 reduction. <i>Nature Reviews Chemistry</i> , <b>2018</b> , 2,	34.6	441
119	Two-dimensional hybrid nanosheets of tungsten disulfide and reduced graphene oxide as catalysts for enhanced hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13751-4	16.4	438
118	Resonantly hybridized excitons in moir uperlattices in van der Waals heterostructures. <i>Nature</i> , <b>2019</b> , 567, 81-86	50.4	367
117	Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. <i>Nature Energy</i> , <b>2018</b> , 3, 773-782	62.3	330
116	Interaction between metal and graphene: dependence on the layer number of graphene. <i>ACS Nano</i> , <b>2011</b> , 5, 608-12	16.7	286
115	Transparent, flexible conducting hybrid multilayer thin films of multiwalled carbon nanotubes with graphene nanosheets. <i>ACS Nano</i> , <b>2010</b> , 4, 3861-8	16.7	285
114	Growth of high-crystalline, single-layer hexagonal boron nitride on recyclable platinum foil. <i>Nano Letters</i> , <b>2013</b> , 13, 1834-9	11.5	278
113	Effects of Surface Anchoring Groups (Carboxylate vs Phosphonate) in Ruthenium-Complex-Sensitized TiO2 on Visible Light Reactivity in Aqueous Suspensions. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 14093-14101	3.4	261
112	Seamless stitching of graphene domains on polished copper (111) foil. <i>Advanced Materials</i> , <b>2015</b> , 27, 1376-82	24	253
111	Synthesis and characterization of patronite form of vanadium sulfide on graphitic layer. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8720-5	16.4	235
110	Recent advances in layered transition metal dichalcogenides for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5979-5985	13	232
109	Mechanism of growth of colloidal silver nanoparticles stabilized by polyvinyl pyrrolidone in gamma-irradiated silver nitrate solution. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 274, 89-94	9.3	216
108	Efficient Hydrogen Evolution Reaction Catalysis in Alkaline Media by All-in-One MoS with Multifunctional Active Sites. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707105	24	212

## (2015-2011)

107	Highly controllable transparent and conducting thin films using layer-by-layer assembly of oppositely charged reduced graphene oxides. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3438-3442		181	
106	Poly(vinyl alcohol) reinforced and toughened with poly(dopamine)-treated graphene oxide, and its use for humidity sensing. <i>ACS Nano</i> , <b>2014</b> , 8, 6739-47	16.7	166	
105	Monolayer-precision synthesis of molybdenum sulfide nanoparticles and their nanoscale size effects in the hydrogen evolution reaction. <i>ACS Nano</i> , <b>2015</b> , 9, 3728-39	16.7	165	
104	Probing Evolution of Twist-Angle-Dependent Interlayer Excitons in MoSe/WSe van der Waals Heterostructures. <i>ACS Nano</i> , <b>2017</b> , 11, 4041-4050	16.7	157	
103	Ultrahigh-current-density niobium disulfide catalysts for hydrogen evolution. <i>Nature Materials</i> , <b>2019</b> , 18, 1309-1314	27	148	
102	Oxidation resistance of iron and copper foils coated with reduced graphene oxide multilayers. <i>ACS Nano</i> , <b>2012</b> , 6, 7763-9	16.7	146	
101	Effects of nanofluids containing graphene/graphene-oxide nanosheets on critical heat flux. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 023103	3.4	138	
100	Monolayer optical memory cells based on artificial trap-mediated charge storage and release. <i>Nature Communications</i> , <b>2017</b> , 8, 14734	17.4	133	
99	High-Performance Hydrogen Evolution by Ru Single Atoms and Nitrided-Ru Nanoparticles Implanted on N-Doped Graphitic Sheet. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900931	21.8	131	
98	Wafer-Scale and Wrinkle-Free Epitaxial Growth of Single-Orientated Multilayer Hexagonal Boron Nitride on Sapphire. <i>Nano Letters</i> , <b>2016</b> , 16, 3360-6	11.5	130	
97	Graphene oxide nanopaint. <i>Carbon</i> , <b>2014</b> , 72, 328-337	10.4	129	
96	Surface-enhanced Raman scattering of single- and few-layer graphene by the deposition of gold nanoparticles. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2381-7	4.8	125	
95	Flexible thermochromic window based on hybridized VO2/graphene. ACS Nano, 2013, 7, 5769-76	16.7	123	
94	Highly efficient polymer light-emitting diodes using graphene oxide as a hole transport layer. <i>ACS Nano</i> , <b>2012</b> , 6, 2984-91	16.7	113	
93	Molecular Beam Epitaxy of Highly Crystalline Monolayer Molybdenum Disulfide on Hexagonal Boron Nitride. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9392-9400	16.4	110	
92	Lithium reaction mechanism and high rate capability of VS4graphene nanocomposite as an anode material for lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10847-10853	13	100	
91	Strain-Mediated Interlayer Coupling Effects on the Excitonic Behaviors in an Epitaxially Grown MoS/WS van der Waals Heterobilayer. <i>Nano Letters</i> , <b>2017</b> , 17, 5634-5640	11.5	100	
90	Multiple Redox Modes in the Reversible Lithiation of High-Capacity, Peierls-Distorted Vanadium Sulfide. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8499-508	16.4	95	

89	Chemical Vapor Deposition of High-Quality Large-Sized MoS Crystals on Silicon Dioxide Substrates. <i>Advanced Science</i> , <b>2016</b> , 3, 1500033	13.6	93
88	Spatially resolved spontaneous reactivity of diazonium salt on edge and basal plane of graphene without surfactant and its doping effect. <i>Langmuir</i> , <b>2010</b> , 26, 12278-84	4	88
87	Large-area graphene films by simple solution casting of edge-selectively functionalized graphite. <i>ACS Nano</i> , <b>2011</b> , 5, 4974-80	16.7	85
86	Stacking of Two-Dimensional Materials in Lateral and Vertical Directions. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4891-4903	9.6	84
85	Highly selective synthesis of C60 disks on graphite substrate by a vapor-solid process. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 693-6	16.4	83
84	Freeze-dried WS2 composites with low content of graphene as high-rate lithium storage materials. Journal of Materials Chemistry A, <b>2013</b> , 1, 14548	13	81
83	Chemical and size effects of nanocomposites of silver and polyvinyl pyrrolidone determined by X-ray photoemission spectroscopy. <i>Chemical Physics Letters</i> , <b>2004</b> , 383, 418-422	2.5	80
82	Thermodynamically Stable Synthesis of Large-Scale and Highly Crystalline Transition Metal Dichalcogenide Monolayers and their Unipolar n-n Heterojunction Devices. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702206	24	76
81	Unveiling surface redox charge storage of interacting two-dimensional heteronanosheets in hierarchical architectures. <i>Nano Letters</i> , <b>2015</b> , 15, 2269-77	11.5	73
80	Reversibly light-modulated dirac point of graphene functionalized with spiropyran. <i>ACS Nano</i> , <b>2012</b> , 6, 9207-13	16.7	72
79	Epoxy to Carbonyl Group Conversion in Graphene Oxide Thin Films: Effect on Structural and Luminescent Characteristics. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 19010-19017	3.8	71
78	Two-Dimensional Hybrid Nanosheets of Tungsten Disulfide and Reduced Graphene Oxide as Catalysts for Enhanced Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13996-13999	3.6	69
77	Ultralow-dielectric-constant amorphous boron nitride. <i>Nature</i> , <b>2020</b> , 582, 511-514	50.4	68
76	Large-scale graphene micropatterns via self-assembly-mediated process for flexible device application. <i>Nano Letters</i> , <b>2012</b> , 12, 743-8	11.5	63
75	Hierarchically assembled tubular shell-core-shell heterostructure of hybrid transition metal chalcogenides for high-performance supercapacitors with ultrahigh cyclability. <i>Nano Energy</i> , <b>2017</b> , 37, 15-23	17.1	60
74	Reduced graphene oxide (rGO)-wrapped fullerene (CDwires. ACS Nano, <b>2011</b> , 5, 8365-71	16.7	58
73	Imaging of Interlayer Coupling in van der Waals Heterostructures Using a Bright-Field Optical Microscope. <i>Nano Letters</i> , <b>2017</b> , 17, 5342-5349	11.5	57
72	New Approach to Generalized Two-Dimensional Correlation Spectroscopy. 1: Combination of Principal Component Analysis and Two-Dimensional Correlation Spectroscopy. <i>Applied Spectroscopy</i> <b>2002</b> , 56, 1562-1567	3.1	56

## (2013-2017)

71	Highly stable 3D porous heterostructures with hierarchically-coordinated octahedral transition metals for enhanced performance supercapacitors. <i>Nano Energy</i> , <b>2017</b> , 39, 337-345	17.1	54
70	Atomic-scale dynamics of triangular hole growth in monolayer hexagonal boron nitride under electron irradiation. <i>Nanoscale</i> , <b>2015</b> , 7, 10600-5	7.7	53
69	Support-Free Transfer of Ultrasmooth Graphene Films Facilitated by Self-Assembled Monolayers for Electronic Devices and Patterns. <i>ACS Nano</i> , <b>2016</b> , 10, 1404-10	16.7	52
68	Spontaneous formation of transition-metal nanoparticles on single-walled carbon nanotubes anchored with conjugated molecules. <i>Small</i> , <b>2005</b> , 1, 975-9	11	51
67	Phase-engineered transition-metal dichalcogenides for energy and electronics. <i>MRS Bulletin</i> , <b>2015</b> , 40, 585-591	3.2	49
66	Prevention of Transition Metal Dichalcogenide Photodegradation by Encapsulation with h-BN Layers. <i>ACS Nano</i> , <b>2016</b> , 10, 8973-9	16.7	48
65	Glass Transition Temperature and Conformational Changes of Poly(methyl methacrylate) Thin Films Determined by a Two-Dimensional Map Representation of Temperature-Dependent Reflection Absorption FTIR Spectra. <i>Langmuir</i> , <b>2002</b> , 18, 5953-5958	4	48
64	Catalytic Conversion of Hexagonal Boron Nitride to Graphene for In-Plane Heterostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 4769-75	11.5	47
63	Catalyst-free synthesis of Si-SiOx core-shell nanowire anodes for high-rate and high-capacity lithium-ion batteries. <i>ACS Applied Materials &amp; District Mater</i>	9.5	47
62	Chemical Vapor-Deposited Hexagonal Boron Nitride as a Scalable Template for High-Performance Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2341-2347	9.6	46
61	Hexagonal Boron Nitride/Au Substrate for Manipulating Surface Plasmon and Enhancing Capability of Surface-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , <b>2016</b> , 10, 11156-11162	16.7	44
60	Substrate and buffer layer effect on the structural and optical properties of graphene oxide thin films. <i>RSC Advances</i> , <b>2013</b> , 3, 5926	3.7	39
59	Characterization of Transition Temperatures of a Langmuir <b>B</b> lodgett Film of Poly(tert-butyl Methacrylate) by Two-Dimensional Correlation Spectroscopy and Principal Component Analysis. <i>Applied Spectroscopy</i> , <b>2002</b> , 56, 1568-1574	3.1	36
58	VS 2 /rGO hybrid nanosheets prepared by annealing of VS 4 /rGO. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 224, 82-87	3.3	35
57	Layered material platform for surface plasmon resonance biosensing. <i>Scientific Reports</i> , <b>2019</b> , 9, 20286	4.9	33
56	Synthesis and structure of two-dimensional transition-metal dichalcogenides. <i>MRS Bulletin</i> , <b>2015</b> , 40, 566-576	3.2	30
55	Three-dimensional pillared metallomacrocyclegraphene frameworks with tunable micro- and mesoporosity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8432	13	30
54	Enhanced optical response of hybridized VO/Igraphene films. <i>Nanoscale</i> , <b>2013</b> , 5, 2632-6	7.7	29

53	Planar and van der Waals heterostructures for vertical tunnelling single electron transistors. <i>Nature Communications</i> , <b>2019</b> , 10, 230	17.4	29
52	Direct Epitaxial Synthesis of Selective Two-Dimensional Lateral Heterostructures. <i>ACS Nano</i> , <b>2019</b> , 13, 13047-13055	16.7	28
51	AAUStacked Trilayer Hexagonal Boron Nitride Membrane for Proton Exchange Membrane Fuel Cells. <i>ACS Nano</i> , <b>2018</b> , 12, 10764-10771	16.7	28
50	Mosaic-like monolayer of graphene oxide sheets decorated with tetrabutylammonium ions. <i>ACS Nano</i> , <b>2013</b> , 7, 8082-8	16.7	27
49	Surface functionalization-induced photoresponse characteristics of monolayer MoS for fast flexible photodetectors. <i>Nanoscale</i> , <b>2019</b> , 11, 4726-4734	7.7	26
48	Evidence of Local Commensurate State with Lattice Match of Graphene on Hexagonal Boron Nitride. <i>ACS Nano</i> , <b>2017</b> , 11, 7084-7090	16.7	24
47	Facile method for rGO field effect transistor: selective adsorption of rGO on SAM-treated gold electrode by electrostatic attraction. <i>Advanced Materials</i> , <b>2012</b> , 24, 2299-303	24	24
46	Structural Comparison of Langmuir <b>B</b> lodgett and Spin-Coated Films of Poly(tert-butyl methacrylate) by External Reflection FTIR Spectroscopy and Two-Dimensional Correlation Analysis. <i>Langmuir</i> , <b>2002</b> , 18, 5523-5528	4	22
45	Recent Developments in Synthesis and Photocatalytic Applications of Carbon Dots. <i>Catalysts</i> , <b>2020</b> , 10, 320	4	21
44	Nafion-Mediated Liquid-Phase Exfoliation of Transition Metal Dichalcogenides and Direct Application in Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4658-4666	9.6	21
43	Direct patterning of silver colloids by microcontact printing: possibility as SERS substrate array. <i>Vibrational Spectroscopy</i> , <b>2002</b> , 29, 79-82	2.1	21
42	Rapid synthesis of graphene by chemical vapor deposition using liquefied petroleum gas as precursor. <i>Carbon</i> , <b>2019</b> , 145, 462-469	10.4	21
41	Study of Cooling Rate on the Growth of Graphene via Chemical Vapor Deposition. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4202-4208	9.6	19
40	Modulation of Cu and Rh single-atoms and nanoparticles for high-performance hydrogen evolution activity in acidic media. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10326-10334	13	19
39	Selective synthesis of pure cobalt disulfide on reduced graphene oxide sheets and its high electrocatalytic activity for hydrogen evolution reaction. <i>Nano Convergence</i> , <b>2016</b> , 3, 5	9.2	18
38	Large-scale patterning by the roll-based evaporation-induced self-assembly. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22844		17
37	2D materials-based photoelectrochemical cells: Combination of transition metal dichalcogenides and reduced graphene oxide for efficient charge transfer. <i>FlatChem</i> , <b>2017</b> , 4, 54-60	5.1	16
36	Transition temperatures and molecular structures of poly(methyl methacrylate) thin films by principal component analysis: comparison of isotactic and syndiotactic poly(methyl methacrylate). Vibrational Spectroscopy, <b>2005</b> , 37, 69-76	2.1	16

35	High-yield production of mono- or few-layer transition metal dichalcogenide nanosheets by an electrochemical lithium ion intercalation-based exfoliation method <i>Nature Protocols</i> , <b>2022</b> ,	18.8	16
34	Two-dimensional gradient mapping technique useful for detailed spectral analysis of polymer transition temperatures. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 3611-6	3.4	15
33	Hydrogen-Bonding Networks of Dialkyl Disulfides Containing the Urea Moiety in Self-Assembled Monolayers. <i>Langmuir</i> , <b>2004</b> , 20, 1674-1679	4	15
32	Chalcogenide solution-mediated activation protocol for scalable and ultrafast synthesis of single-crystalline 1-D copper sulfide for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2529	9-2335	14
31	Hydrogenation of monolayer molybdenum diselenide via hydrogen plasma treatment. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11294-11300	7.1	14
30	Density control of ZnO nanowires grown using Au-PMMA nanoparticles and their growth behavior. <i>Nanotechnology</i> , <b>2009</b> , 20, 085601	3.4	14
29	Lithium ions intercalated into pyrene-functionalized carbon nanotubes and their mass transport: a chemical route to carbon nanotube Schottky diode. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2160-1	16.4	14
28	"Fingertip"-guided noncovalent functionalization of carbon nanotubes by dendrons. <i>Langmuir</i> , <b>2007</b> , 23, 11373-6	4	14
27	Epitaxial single-crystal hexagonal boron nitride multilayers on Ni (111). <i>Nature</i> , <b>2022</b> , 606, 88-93	50.4	14
26	Large area chemical vapour deposition grown transition metal dichalcogenide monolayers automatically characterized through photoluminescence imaging. <i>Npj 2D Materials and Applications</i> , <b>2020</b> , 4,	8.8	11
25	Blue emission at atomically sharp 1D heterojunctions between graphene and h-BN. <i>Nature Communications</i> , <b>2020</b> , 11, 5359	17.4	11
24	Sphere-to-Multipod Transmorphic Change of Nanoconfined Pt Electrocatalyst during Oxygen Reduction Reaction. <i>Small</i> , <b>2019</b> , 15, e1802228	11	11
23	Spontaneous electron transfer from C60 to Au ions: oxidation of C60 and hole doping. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7183		10
22	General Colloidal Synthesis of Transition-Metal Disulfide Nanomaterials as Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Electrocatalysts for Materials &amp; Electrocatalysts for Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials &amp; Electrocatalysts for Hydrogen Evolution Reaction Reac</i>	9.5	9
21	Anomalous Ambipolar Transport of Organic Semiconducting Crystals via Control of Molecular Packing Structures. <i>ACS Applied Materials &amp; Description</i> (2017), 9, 27839-27846	9.5	9
20	Proton conductivity of a hexagonal boron nitride membrane and its energy applications. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2898-2912	13	9
19	Mechanical Properties of Poly(dopamine)-Coated Graphene Oxide and Poly(vinyl alcohol) Composite Fibers Coated with Reduced Graphene Oxide and Their Use for Piezoresistive Sensing. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1600382	3.1	8
18	Electrochemical and electrocatalytic reaction characteristics of boron-incorporated graphene via a simple spin-on dopant process. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7351-7356	13	8

17	Superstructural defects and superlattice domains in stacked graphene. Carbon, 2014, 80, 755-761	10.4	7
16	Effect of Pt Crystal Surface on Hydrogenation of Monolayer h-BN and Its Conversion to Graphene. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4584-4590	9.6	6
15	Spatially controlled lateral heterostructures of graphene and transition metal dichalcogenides toward atomically thin and multi-functional electronics. <i>Nanoscale</i> , <b>2020</b> , 12, 5286-5292	7.7	5
14	Improving Radio Frequency Transmission Properties of Graphene via Carrier Concentration Control toward High Frequency Transmission Line Applications. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 18080	5 <del>7</del> 5.6	4
13	Selective formation of thickness-controlled fullerene disks by vaporBolid process. <i>Journal of Crystal Growth</i> , <b>2013</b> , 363, 141-144	1.6	4
12	Strong exciton-photon coupling in large area MoSe2 and WSe2 heterostructures fabricated from two-dimensional materials grown by chemical vapor deposition. <i>2D Materials</i> , <b>2021</b> , 8, 011002	5.9	4
11	Vertically oriented MoS2/WS2 heterostructures on reduced graphene oxide sheets as electrocatalysts for hydrogen evolution reaction. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3396-3403	7.8	4
10	Quantum Efficiency Enhancement of Bialkali Photocathodes by an Atomically Thin Layer on Substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900501	1.6	3
9	Functionalized graphene sheets/polycarbonate nanocomposites compatibilized by poly(phenylenevinylene). <i>Macromolecular Research</i> , <b>2012</b> , 20, 768-771	1.9	3
8	Radio-frequency-transmitting hexagonal boron nitride-based anti- and de-icing heating system. <i>Nanoscale</i> , <b>2020</b> , 12, 21895-21900	7.7	2
7	Reply to: On the measured dielectric constant of amorphous boron nitride. <i>Nature</i> , <b>2021</b> , 590, E8-E10	50.4	1
6	Toward growth of wafer-scale single-crystal hexagonal boron nitride sheets. <i>Nano Express</i> , <b>2021</b> , 2, 031	0£94	1
5	Interlayer electron modulation in van der Waals heterostructures assembled by stacking monolayer MoS onto monolayer graphene with different electron transfer ability. <i>Nanoscale</i> , <b>2021</b> , 13, 15464-154	7ð <sup>.7</sup>	1
4	Phase- and composition-controlled synthesis. <i>Nature Materials</i> ,	27	1
3	Synthesis of metallic mixed 3R and 2H NbS nanoflakes by chemical vapor deposition. <i>Faraday Discussions</i> , <b>2021</b> , 227, 332-340	3.6	0
2	Radio Frequency Transmission: Improving Radio Frequency Transmission Properties of Graphene via Carrier Concentration Control toward High Frequency Transmission Line Applications (Adv. Funct. Mater. 18/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970123	15.6	
1	Dendritic Multipods: Sphere-to-Multipod Transmorphic Change of Nanoconfined Pt Electrocatalyst during Oxygen Reduction Reaction (Small 2/2019). <i>Small</i> , <b>2019</b> , 15, 1970013	11	