

# Qing Huang

## List of Publications by Citations

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395  
papers

12,753  
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419  
ext. papers

16,066  
ext. citations

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avg, IF

6.73  
L-index

#	Paper	IF	Citations
395	Truly Fluorescent Excitation-Dependent Carbon Dots and Their Applications in Multicolor Cellular Imaging and Multidimensional Sensing. <i>Advanced Materials</i> , <b>2015</b> , 27, 7782-7	24	455
394	Photoluminescent Ti C MXene Quantum Dots for Multicolor Cellular Imaging. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604847	24	439
393	Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600969	21.8	439
392	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , <b>2020</b> , 19, 894-899	27	368
391	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4730-4737	16.4	355
390	Effects of graphene content on the microstructure and properties of copper matrix composites. <i>Carbon</i> , <b>2016</b> , 96, 836-842	10.4	280
389	3D hybrid porous Mxene-sponge network and its application in piezoresistive sensor. <i>Nano Energy</i> , <b>2018</b> , 50, 79-87	17.1	264
388	A Two-Dimensional Zirconium Carbide by Selective Etching of Al <sub>3</sub> C <sub>3</sub> from Nanolaminated Zr <sub>3</sub> Al <sub>3</sub> C <sub>5</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5008-13	16.4	247
387	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. <i>ACS Nano</i> , <b>2017</b> , 11, 3841-3850	16.7	229
386	Boron nitride nanotubes: functionalization and composites. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3900		199
385	CO <sub>2</sub> and temperature dual responsive "Smart" MXene phases. <i>Chemical Communications</i> , <b>2015</b> , 51, 314-7	5.8	174
384	Preparation of High-Purity V <sub>2</sub> C MXene and Electrochemical Properties as Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A709-A713	3.9	169
383	Role of the surface effect on the structural, electronic and mechanical properties of the carbide MXenes. <i>Europhysics Letters</i> , <b>2015</b> , 111, 26007	1.6	161
382	Fluorescent In Situ Targeting Probes for Rapid Imaging of Ovarian-Cancer-Specific EGlutamyltranspeptidase. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7349-53	16.4	155
381	Visible Light Driven Photoelectrochemical Water Oxidation by Zn- and Ti-Doped Hematite Nanostructures. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2006-2015	13.1	150
380	Radiation induced reduction: an effective and clean route to synthesize functionalized graphene. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7775		149
379	A Wholly Degradable, Rechargeable Zn-TiC MXene Capacitor with Superior Anti-Self-Discharge Function. <i>ACS Nano</i> , <b>2019</b> , 13, 8275-8283	16.7	145

378	Opening Magnesium Storage Capability of Two-Dimensional MXene by Intercalation of Cationic Surfactant. <i>ACS Nano</i> , <b>2018</b> , 12, 3733-3740	16.7	141
377	Promising electron mobility and high thermal conductivity in Sc <sub>2</sub> CT <sub>2</sub> (T = F, OH) MXenes. <i>Nanoscale</i> , <b>2016</b> , 8, 6110-7	7.7	141
376	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16396-403	9.5	138
375	Rational Design of Flexible Two-Dimensional MXenes with Multiple Functionalities. <i>Chemical Reviews</i> , <b>2019</b> , 119, 11980-12031	68.1	137
374	Rational control of the interlayer space inside two-dimensional titanium carbides for highly efficient uranium removal and imprisonment. <i>Chemical Communications</i> , <b>2017</b> , 53, 12084-12087	5.8	132
373	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. <i>RSC Advances</i> , <b>2017</b> , 7, 20494-20501	3.7	131
372	Design of a carbon nanotube/magnetic nanoparticle-based peroxidase-like nanocomplex and its application for highly efficient catalytic oxidation of phenols. <i>Nano Research</i> , <b>2009</b> , 2, 617-623	10	129
371	Carbon nanofiber bridged two-dimensional titanium carbide as a superior anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14096-14100	13	124
370	Enzyme-Based Multi-Component Optical Nanoprobes for Sequence-Specific Detection of DNA Hybridization. <i>Advanced Materials</i> , <b>2008</b> , 20, 497-500	24	118
369	The thermal and electrical properties of the promising semiconductor MXene Hf <sub>2</sub> CO <sub>2</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 27971	4.9	115
368	Multiple-Armed Tetrahedral DNA Nanostructures for Tumor-Targeting, Dual-Modality in Vivo Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4378-84	9.5	110
367	Facile preparation of in situ coated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composites and their electromagnetic performance. <i>RSC Advances</i> , <b>2017</b> , 7, 24698-24708	3.7	108
366	Biodistribution and pulmonary toxicity of intratracheally instilled graphene oxide in mice. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e44-e44	10.3	102
365	Phase Transition Induced Unusual Electrochemical Performance of VCT MXene for Aqueous Zinc Hybrid-Ion Battery. <i>ACS Nano</i> , <b>2020</b> , 14, 541-551	16.7	99
364	Intrinsic Structural, Electrical, Thermal, and Mechanical Properties of the Promising Conductor Mo <sub>2</sub> C MXene. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 15082-15088	3.8	98
363	Scaffolded biosensors with designed DNA nanostructures. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e51-e51	10.3	94
362	Clicking DNA to gold nanoparticles: poly-adenine-mediated formation of monovalent DNA-gold nanoparticle conjugates with nearly quantitative yield. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e159-e159	10.3	91
361	Enhancing superplasticity of engineering ceramics by introducing BN nanotubes. <i>Nanotechnology</i> , <b>2007</b> , 18, 485706	3.4	90

360	Materials development and potential applications of transparent ceramics: A review. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 139, 100518	30.9	89
359	Reconfigurable Three-Dimensional DNA Nanostructures for the Construction of Intracellular Logic Sensors. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9154-9158	3.6	83
358	New phases discovery in MAX family. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2013</b> , 36, 300-312	4.1	81
357	The critical issues of SiC materials for future nuclear systems. <i>Scripta Materialia</i> , <b>2018</b> , 143, 149-153	5.6	79
356	High adsorption capacity of heavy metals on two-dimensional MXenes: an ab initio study with molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 228-33	3.6	75
355	Influence of polyethylene glycol coating on biodistribution and toxicity of nanoscale graphene oxide in mice after intravenous injection. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 4697-707	7.3	74
354	Graphene-templated formation of two-dimensional lepidocrocite nanostructures for high-efficiency catalytic degradation of phenols. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2035	35.4	74
353	Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CTX MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001394	21.8	71
352	Recent progress in the development of SiC composites for nuclear fusion applications. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 511, 544-555	3.3	70
351	A graphene oxide-based fluorescent biosensor for the analysis of peptide-receptor interactions and imaging in somatostatin receptor subtype 2 overexpressed tumor cells. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 7732-7	7.8	63
350	Ab initio study of irradiation tolerance for different Mn+1AX <sub>n</sub> phases: Ti <sub>3</sub> SiC <sub>2</sub> and Ti <sub>3</sub> AlC <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 023503	2.5	63
349	DNA origami-based shape IDs for single-molecule nanomechanical genotyping. <i>Nature Communications</i> , <b>2017</b> , 8, 14738	17.4	62
348	Novel Scale-Like Structures of Graphite/TiC/Ti <sub>3</sub> C <sub>2</sub> Hybrids for Electromagnetic Absorption. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700617	6.4	61
347	Synthesis and characterization of CdS/multiwalled carbon nanotube heterojunctions. <i>Nanotechnology</i> , <b>2004</b> , 15, 1855-1860	3.4	61
346	The structural transitions of Ti <sub>3</sub> AlC <sub>2</sub> induced by ion irradiation. <i>Acta Materialia</i> , <b>2014</b> , 65, 351-359	8.4	58
345	Gold nanoparticlebased optical probes for target-responsive DNA structures <b>2008</b> , 41, 37-41		58
344	Effects of He irradiation on Ti <sub>3</sub> AlC <sub>2</sub> : Damage evolution and behavior of He bubbles. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 440, 606-611	3.3	57
343	Immobilization of rutile TiO <sub>2</sub> on multiwalled carbon nanotubes. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1517		56

342	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001791	21.8	56
341	Laundering durable antibacterial cotton fabrics grafted with pomegranate-shaped polymer wrapped in silver nanoparticle aggregations. <i>Scientific Reports</i> , <b>2014</b> , 4, 5920	4.9	55
340	A Simple Route for the Synthesis of Rutile TiO <sub>2</sub> Nanorods. <i>Chemistry Letters</i> , <b>2003</b> , 32, 638-639	1.7	55
339	A Two-Dimensional Zirconium Carbide by Selective Etching of Al <sub>3</sub> C <sub>3</sub> from Nanolaminated Zr <sub>3</sub> Al <sub>3</sub> C <sub>5</sub> . <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5092-5097	3.6	55
338	Fast joining SiC ceramics with Ti <sub>3</sub> SiC <sub>2</sub> tape film by electric field-assisted sintering technology. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 466, 322-327	3.3	52
337	Self-Diffusion Driven Ultrafast Detection of ppm-Level Nitroaromatic Pollutants in Aqueous Media Using a Hydrophilic Fluorescent Paper Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23884-23893	8.5	52
336	Sintering and thermal properties of multiwalled carbon nanotube/BaTiO <sub>3</sub> composites. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 1995		52
335	Halogenated TiC MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 1077-1085	16.7	50
334	Activity modulation and allosteric control of a scaffolded DNAzyme using a dynamic DNA nanostructure. <i>Chemical Science</i> , <b>2016</b> , 7, 1200-1204	9.4	49
333	Tin <sub>1</sub> C <sub>n</sub> MXenes with fully saturated and thermally stable Cl terminations. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3680-3685	5.1	49
332	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. <i>Nature Communications</i> , <b>2014</b> , 5, 4128	17.4	49
331	Macroporous silicon oxycarbide fibers with luffa-like superhydrophobic shells. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10346-7	16.4	49
330	Thickness-dependent phase evolution and bonding strength of SiC ceramics joints with active Ti interlayer. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1233-1241	6	48
329	Effect of carbide interlayers on the microstructure and properties of graphene-nanoplatelet-reinforced copper matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 708, 311-318	5.3	48
328	A facile hydrothermal synthesis, characterization and magnetic properties of mesoporous CoFe <sub>2</sub> O <sub>4</sub> nanospheres. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 388, 40-44	2.8	48
327	Superlubricity Enabled by Pressure-Induced Friction Collapse. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2554-2559	6.4	48
326	Catalytic Gold Nanoparticles for Nanoplasmonic Detection of DNA Hybridization. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 12200-12204	3.6	48
325	All-solid-state flexible microsupercapacitor based on two-dimensional titanium carbide. <i>Chinese Chemical Letters</i> , <b>2016</b> , 27, 1586-1591	8.1	48

324	First-principles investigations on the electronic structures of U <sub>3</sub> Si <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2016</b> , 469, 194-199	3.3	46
323	Strong and biocompatible poly(lactic acid) membrane enhanced by Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> (MXene) nanosheets for Guided bone regeneration. <i>Materials Letters</i> , <b>2018</b> , 229, 114-117	3.3	46
322	Manufacture and electrical properties of multiwalled carbon nanotube/BaTiO <sub>3</sub> nanocomposite ceramics. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2536		46
321	Effect of pH and succinic acid on the morphology of calcium sulfate hemihydrate synthesized by a salt solution method. <i>Journal of Crystal Growth</i> , <b>2013</b> , 374, 31-36	1.6	44
320	Irradiation resistance properties studies on helium ions irradiated MAX phase Ti <sub>3</sub> AlC <sub>2</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 326, 332-336	1.2	43
319	Systematic investigation of the formation of 1D alpha-Si(3)N(4) nanostructures by using a thermal-decomposition/nitridation process. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2987-93	4.8	43
318	Structures and Mechanical and Electronic Properties of the Ti <sub>2</sub> CO <sub>2</sub> MXene Incorporated with Neighboring Elements (Sc, V, B and N). <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 2460-2466	1.9	42
317	Irradiation-induced structural transitions in Ti <sub>2</sub> AlC. <i>Acta Materialia</i> , <b>2015</b> , 98, 197-205	8.4	42
316	Bioactive calcium sulfate/magnesium phosphate cement for bone substitute applications. <i>Materials Science and Engineering C</i> , <b>2014</b> , 35, 70-6	8.3	42
315	Multielemental single-atom-thick layers in nanolaminated V(Sn, ) C ( = Fe, Co, Ni, Mn) for tailoring magnetic properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 820-825	11.5	42
314	Effects of polymer matrices to the formation of silicon carbide (SiC) nanoporous fibers and nanowires under carbothermal reduction. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1005-1012		41
313	Microwave sintering carbon nanotube/Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composites and their electromagnetic performance. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 2119-2126	6	40
312	Cytocompatibility of TiAlC, TiSiC, and TiAlN: Tests and First-Principles Calculations. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 2293-2301	5.5	40
311	Inactivation and Heme Degradation of Horseradish Peroxidase Induced by Discharge Plasma. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 731-739	3.4	40
310	Engineering scaffolds integrated with calcium sulfate and oyster shell for enhanced bone tissue regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12177-88	9.5	39
309	Enhanced Redox Kinetics and Duration of Aqueous I <sup>-</sup> /I <sup>0</sup> Conversion Chemistry by MXene Confinement. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006897	24	39
308	Analysis of telomerase activity based on a spired DNA tetrahedron TS primer. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 67, 364-9	11.8	38
307	Single Gold Nanoparticles as Real-Time Optical Probes for the Detection of NADH-Dependent Intracellular Metabolic Enzymatic Pathways. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6921-6924	3.6	38

306	Activating the I0/I+ redox couple in an aqueous I2/I- battery to achieve a high voltage plateau. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 407-413	35.4	38
305	Irradiation resistance of MAX phases Ti3SiC2 and Ti3AlC2: Characterization and comparison. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 465, 640-647	3.3	37
304	Designing flexible 2D transition metal carbides with strain-controllable lithium storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E11082-E11091	11.5	36
303	Preparation of calcium sulfate dihydrate and calcium sulfate hemihydrate with controllable crystal morphology by using ethanol additive. <i>Ceramics International</i> , <b>2013</b> , 39, 5495-5502	5.1	36
302	In situ formation of NaTi2(PO4)3 cubes on Ti3C2 MXene for dual-mode sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18525-18532	13	36
301	Electronic and Transport Properties of Ti2CO2 MXene Nanoribbons. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 17143-17152	3.8	35
300	pH sensor based on boron nitride nanotubes. <i>Nanotechnology</i> , <b>2009</b> , 20, 415501	3.4	35
299	Saturation of ion irradiation effects in MAX phase Cr2AlC. <i>Acta Materialia</i> , <b>2016</b> , 110, 1-7	8.4	34
298	Densification of high-strength B4C/TiB2 composites fabricated by pulsed electric current sintering of TiCB mixture. <i>Scripta Materialia</i> , <b>2017</b> , 135, 15-18	5.6	33
297	Nanodiamonds act as Trojan horse for intracellular delivery of metal ions to trigger cytotoxicity. <i>Particle and Fibre Toxicology</i> , <b>2015</b> , 12, 2	8.4	33
296	Fabrication of Ti2AlN ceramics with orientation growth behavior by the microwave sintering method. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 1385-1391	6	33
295	Single-Atom-Thick Active Layers Realized in Nanolaminated Ti(AlCu)C and Its Artificial Enzyme Behavior. <i>ACS Nano</i> , <b>2019</b> , 13, 9198-9205	16.7	31
294	Single-Particle Tracking and Modulation of Cell Entry Pathways of a Tetrahedral DNA Nanostructure in Live Cells. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7879-7884	3.6	31
293	Synchrotron-based X-ray microscopic studies for bioeffects of nanomaterials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 515-24	6	30
292	High-current-induced damage on carbon nanotubes: The case during spark plasma sintering. <i>Scripta Materialia</i> , <b>2010</b> , 63, 1181-1184	5.6	30
291	Synthesis of High-Purity Ti3SiC2 by Microwave Sintering. <i>International Journal of Applied Ceramic Technology</i> , <b>2014</b> , 11, 911-918	2	29
290	Joining of carbon fiber reinforced carbon composites with Ti3SiC2 tape film by electric field assisted sintering technique. <i>Carbon</i> , <b>2016</b> , 102, 106-115	10.4	29
289	Negative differential resistance and rectifying performance induced by doped graphene nanoribbons p/n device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 1049-1055	2.3	28

288	Crystal structure and encapsulation dynamics of ice II-structured neon hydrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10456-61	11.5	28
287	Low-Temperature Synthesis of Nanocrystalline NbB <sub>2</sub> Powders by Borothermal Reduction in Molten Salt. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3384-3387	3.8	28
286	Chemical peeling and branching of boron nitride nanotubes in dimethyl sulfoxide. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2044-7	16.4	28
285	Confining Aqueous Zn-Br Halide Redox Chemistry by TiCT MXene. <i>ACS Nano</i> , <b>2021</b> , 15, 1718-1726	16.7	28
284	Two-Dimensional Lamellar MoC for Electrochemical Hydrogen Production: Insights into the Origin of Hydrogen Evolution Reaction Activity in Acidic and Alkaline Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40500-40508	9.5	28
283	Synthesis of MAX phases Nb <sub>2</sub> CuC and Ti <sub>2</sub> (Al <sub>0.1</sub> Cu <sub>0.9</sub> )N by A-site replacement reaction in molten salts. <i>Materials Research Letters</i> , <b>2019</b> , 7, 510-516	7.4	27
282	Insight into Adsorption Performance and Mechanism on Efficient Removal of Methylene Blue by Accordion-like VCT MXene. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4253-4260	6.4	27
281	Structural Transitions Induced by Ion Irradiation in V <sub>2</sub> AlC and Cr <sub>2</sub> AlC. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1769-1777	3.8	27
280	Label-free selective detection of coralyne due to aptamer/coralyne interaction using DNA modified SiO <sub>2</sub> @Au core-shell nanoparticles as an effective SERS substrate. <i>Analytical Methods</i> , <b>2013</b> , 5, 3927	3.2	27
279	Synthesis of Plate-Like ZrB <sub>2</sub> Grains. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 85-88	3.8	27
278	Formation of nano-twinned structure in Ti <sub>3</sub> AlC <sub>2</sub> induced by ion-irradiation. <i>Acta Materialia</i> , <b>2017</b> , 128, 1-11	8.4	26
277	Coal ash fusion properties from molecular dynamics simulation: the role of calcium oxide. <i>Fuel</i> , <b>2018</b> , 216, 760-767	7.1	26
276	Aggregation-induced emission of tetraphenylethylene-modified polyethyleneimine for highly selective CO <sub>2</sub> detection. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 228, 551-556	8.5	26
275	DNA orientation-specific adhesion and patterning of living mammalian cells on self-assembled DNA monolayers. <i>Chemical Science</i> , <b>2016</b> , 7, 2722-2727	9.4	26
274	Ultrasensitive electrochemical DNA sensor based on the target induced structural switching and surface-initiated enzymatic polymerization. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 231-6	11.8	26
273	Toward a Practical Zn Powder Anode: TiCT MXene as a Lattice-Match Electrons/Ions Redistributor. <i>ACS Nano</i> , <b>2021</b> , 15, 14631-14642	16.7	26
272	Tuning the Electrical Conductivity of Ti <sub>2</sub> CO <sub>2</sub> MXene by Varying the Layer Thickness and Applying Strains. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 6802-6811	3.8	25
271	Binding-induced collapse of DNA nano-assembly for naked-eye detection of ATP with plasmonic gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 65, 171-5	11.8	25

270	Assessment of Damage of Glutathione by Glow Discharge Plasma at the Gas/Solution Interface through Raman Spectroscopy. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 181-188	3.4	25
269	Two-Dimensional Hydroxyl-Functionalized and Carbon-Deficient Scandium Carbide, ScC OH, a Direct Band Gap Semiconductor. <i>ACS Nano</i> , <b>2019</b> , 13, 1195-1203	16.7	24
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267	Nanoprobes for super-resolution fluorescence imaging at the nanoscale. <i>Science China Chemistry</i> , <b>2014</b> , 57, 100-106	7.9	24
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1	Synthesis, characterization, and magnetic properties of rare earth containing Mo <sub>4</sub> /3RE <sub>2</sub> /3AlB <sub>2</sub> i-MAB phases. <i>Materials Research Letters</i> , <b>2022</b> , 10, 295-300	7.4	

