

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

3,369  
citations

21  
h-index

52  
g-index

52  
ext. papers

3,749  
ext. citations

7.7  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
50	Toward N-Doped Graphene via Solvothermal Synthesis. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1188-1193	9.6	872
49	Thin, flexible secondary Li-ion paper batteries. <i>ACS Nano</i> , <b>2010</b> , 4, 5843-8	16.7	703
48	Controlled growth of high-quality monolayer WS <sub>2</sub> layers on sapphire and imaging its grain boundary. <i>ACS Nano</i> , <b>2013</b> , 7, 8963-71	16.7	586
47	Growth Mechanism of Graphene on Ru(0001) and O <sub>2</sub> Adsorption on the Graphene/Ru(0001) Surface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8296-8301	3.8	159
46	Enhanced reactivity of graphene wrinkles and their function as nanosized gas inlets for reactions under graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 19042-8	3.6	72
45	Formation of identical-size graphene nanoclusters on Ru(0001). <i>Chemical Communications</i> , <b>2011</b> , 47, 1470-2	5.8	71
44	Stacking sequence and interlayer coupling in few-layer graphene revealed by in situ imaging. <i>Nature Communications</i> , <b>2016</b> , 7, 13256	17.4	66
43	Adsorption, activation, and dissociation of oxygen on doped oxides. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11385-7	16.4	66
42	Reversible structural modulation of Fe-Pt bimetallic surfaces and its effect on reactivity. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1013-6	3.2	63
41	An exchange intercalation mechanism for the formation of a two-dimensional Si structure underneath graphene. <i>Nano Research</i> , <b>2012</b> , 5, 352-360	10	62
40	Enhanced CO <sub>2</sub> Methanation Activity of Ni/Anatase Catalyst by Tuning Strong Metal-Support Interactions. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6342-6348	13.1	51
39	Dynamic observation of layer-by-layer growth and removal of graphene on Ru(0001). <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 5053-7	3.6	49
38	Silica accelerates the selective hydrogenation of CO to methanol on cobalt catalysts. <i>Nature Communications</i> , <b>2020</b> , 11, 1033	17.4	47
37	One-Pot Selective Epitaxial Growth of Large WS <sub>2</sub> /MoS <sub>2</sub> Lateral and Vertical Heterostructures. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16276-16284	16.4	45
36	Dynamic Characterization of Graphene Growth and Etching by Oxygen on Ru(0001) by Photoemission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 20365-20370	3.8	42
35	Stabilization of Ultrathin Zinc Oxide Films on Metals: Reconstruction versus Hydroxylation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 7842-7847	3.8	34
34	Gold Adsorption on CeO <sub>2</sub> Thin Films Grown on Ru(0001). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21879-21885	3.8	34

33	Fabrication of metal nanoclusters on graphene grown on Ru(0001). <i>Science Bulletin</i> , <b>2009</b> , 54, 2446-2450		34
32	Initial stages of CO adsorption on CaO: a combined experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 4231-4242	3.6	31
31	The Coalescence Behavior of Two-Dimensional Materials Revealed by Multiscale Imaging during Chemical Vapor Deposition Growth. <i>ACS Nano</i> , <b>2020</b> , 14, 1902-1918	16.7	24
30	Controlling the charge state of single Mo dopants in a CaO film. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	23
29	Controlled Transformation of the Structures of Surface Fe (FeO) and Subsurface Fe on Pt(111). <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 24-32	11.3	20
28	Surface defects and their impact on the electronic structure of Mo-doped CaO films: an STM and DFT study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12764-72	3.6	18
27	CO and H <sub>2</sub> Activation over g-ZnO Layers and w-ZnO(0001). <i>ACS Catalysis</i> , <b>2019</b> , 9, 1373-1382	13.1	15
26	Dynamic observation of in-plane h-BN/graphene heterostructures growth on Ni(111). <i>Nano Research</i> , <b>2020</b> , 13, 1789-1794	10	14
25	Controlled growth of uniform two-dimensional ZnO overlayers on Au(111) and surface hydroxylation. <i>Nano Research</i> , <b>2019</b> , 12, 2348-2354	10	13
24	Critical importance of current collector property to the performance of flexible electrochemical power sources. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 1282-1288	8.1	12
23	Evolution of the electronic structure of CaO thin films following Mo interdiffusion at high temperature. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	12
22	Growth of Two-Dimensional Lithium Islands on CaO(001) Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 17980-17984	3.8	12
21	Synergically engineering defect and interlayer in SnS for enhanced room-temperature NO sensing. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126816	12.8	12
20	Oxygen Scrambling of CO <sub>2</sub> Adsorbed on CaO(001). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 18625-18634	3.4	11
19	Dynamic nanoscale imaging of enriched CO adlayer on Pt(111) confined under h-BN monolayer in ambient pressure atmospheres. <i>Nano Research</i> , <b>2019</b> , 12, 85-90	10	11
18	Phonon-mediated electron transport through CaO thin films. <i>Physical Review Letters</i> , <b>2015</b> , 114, 016804	7.4	10
17	Organic molecule-modulated phase evolution of inorganic mesostructures. <i>Langmuir</i> , <b>2008</b> , 24, 2372-80	4	10
16	Growth of Ordered ZnO Structures on Au(111) and Cu(111). <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2018</b> , 34, 1373-1380	3.8	10

15	Great improvement in the performance and lifetime of a fuel cell using a highly dense, well-ordered, and cone-shaped Nafion array. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5489-5500	13	10
14	Surface and Subsurface Structures of the Pt <sub>3</sub> Fe Surface Alloy on Pt(111). <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 17225-17231	3.8	9
13	Charge competition with oxygen molecules determines the growth of gold particles on doped CaO films. <i>Faraday Discussions</i> , <b>2013</b> , 162, 153-63	3.6	8
12	Bindung, Aktivierung und Dissoziation von Sauerstoff an dotierten Oxiden. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11595-11598	3.6	7
11	Temperature dependence of the formation of graphene and subsurface carbon on Ru(0001) and its effect on surface reactivity. <i>ChemPhysChem</i> , <b>2010</b> , 11, 995-8	3.2	6
10	CO <sub>2</sub> Adsorption on CaO(001): Temperature-Programmed Desorption and Infrared Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1880-1887	3.8	5
9	Intercalation of O <sub>2</sub> and N <sub>2</sub> in the Graphene/Ni Interfaces of Different Morphologies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 16137-16145	3.8	3
8	Near ambient pressure adsorption of nickel carbonyl contaminated CO on Cu(111) surface. <i>Chinese Journal of Chemical Physics</i> , <b>2019</b> , 32, 753-759	0.9	3
7	Formation of Periodic Arrays of O Vacancy Clusters on Monolayer FeO Islands Grown on Pt(111). <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 1013-1018	11.3	2
6	Effect of overlayer-substrate interaction on the coalescence behaviors of in-plane graphene/hexagonal boron nitride heterostructures. <i>Carbon</i> , <b>2021</b> , 177, 19-25	10.4	1
5	Growth, coalescence, and etching of two-dimensional overlayers on metals modulated by near-surface Ar nanobubbles. <i>Nano Research</i> , 1	10	1
4	Hydrogen-promoted graphene growth on Pt(111) via CVD methods. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101383	4.1	0
3	In situ NAP-XPS study of CO <sub>2</sub> and H <sub>2</sub> O adsorption on cerium oxide thin films. <i>Chemical Physics Letters</i> , <b>2022</b> , 794, 139496	2.5	0
2	Synthesis and Modification of Graphene <b>2014</b> , 17-40		
1	Controlled Transformation of the Structures of Surface Fe (FeO) and Subsurface Fe on Pt(111). <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 24-32	11.3	