

# Franklin Kim

## List of Publications by Year in descending order

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47  
papers

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citations

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docs citations

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times ranked

22414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Langmuir-Blodgett Assembly of $\text{Ti}_3\text{C}_2\text{T}_x$ Nanosheets for Planar Microsupercapacitors. ACS Applied Nano Materials, 2022, 5, 4170-4179.	2.4	4
2	Cation/Anion Codoped and Cobalt-Free Li-Rich Layered Cathode for High-Performance Li-Ion Batteries. Nano Letters, 2021, 21, 8370-8377.	4.5	35
3	Revisiting the Structural Evolution of $\text{MoS}_2$ During Alkali Metal (Li, Na, and K) Intercalation. ACS Applied Energy Materials, 2021, 4, 14180-14190.	2.5	7
4	$\text{MnCO}_3$ on Graphene Porous Framework via Diffusion-Driven Layer-by-Layer Assembly for High-Performance Pseudocapacitor. ACS Applied Materials & Interfaces, 2020, 12, 47695-47703.	4.0	11
5	Adjusting Channel Size within PVA-Based Hydrogels via Ice Templating for Enhanced Solar Steam Generation. ACS Applied Energy Materials, 2020, 3, 9216-9225.	2.5	36
6	Three-dimensional reduced graphene oxide/polyaniline nanocomposite film prepared by diffusion driven layer-by-layer assembly for high-performance supercapacitors. Journal of Power Sources, 2017, 343, 60-66.	4.0	138
7	Application of Diffusion-Driven Layer-by-Layer Assembly for Fabricating Compact Graphene-Based Supercapacitors. Advanced Materials Interfaces, 2016, 3, 1600260.	1.9	14
8	Diffusion driven layer-by-layer assembly of graphene oxide nanosheets into porous three-dimensional macrostructures. Nature Communications, 2014, 5, 5254.	5.8	113
9	Integration of Porous Coordination Polymers and Gold Nanorods into Core-Shell Mesoscopic Composites toward Light-Induced Molecular Release. Journal of the American Chemical Society, 2013, 135, 10998-11005.	6.6	171
10	PATTERNING AND ASSEMBLING NANOMATERIALS BY DIP COATING. , 2012, , 189-233.		1
11	Self-Assembly of Two-Dimensional Nanosheets Induced by Interfacial Polyionic Complexation. ACS Nano, 2012, 6, 10606-10613.	7.3	42
12	Crystal morphology-directed framework orientation in porous coordination polymer films and freestanding membranes via Langmuir-Blodgett. Journal of Materials Chemistry, 2012, 22, 10159.	6.7	74
13	Energetic graphene oxide: Challenges and opportunities. Nano Today, 2012, 7, 137-152.	6.2	278
14	Hydration-Responsive Folding and Unfolding in Graphene Oxide Liquid Crystal Phases. ACS Nano, 2011, 5, 8019-8025.	7.3	201
15	Surfactant-Free Water-Processable Photoconductive All-Carbon Composite. Journal of the American Chemical Society, 2011, 133, 4940-4947.	6.6	200
16	Self-Propagating Domino-Like Reactions in Oxidized Graphite. Advanced Functional Materials, 2010, 20, 2867-2873.	7.8	303
17	Self-Propagating Domino-Like Reactions in Oxidized Graphite. Advanced Functional Materials, 2010, 20, .	7.8	2
18	Graphene Oxide: Surface Activity and Two-Dimensional Assembly. Advanced Materials, 2010, 22, 1954-1958.	11.1	620

#	ARTICLE	IF	CITATIONS
19	Seeing graphene-based sheets. <i>Materials Today</i> , 2010, 13, 28-38.	8.3	171
20	Graphene oxide as surfactant sheets. <i>Pure and Applied Chemistry</i> , 2010, 83, 95-110.	0.9	373
21	Graphene Oxide Sheets at Interfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 8180-8186.	6.6	1,573
22	Visualizing Graphene Based Sheets by Fluorescence Quenching Microscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 260-267.	6.6	511
23	Co-Assembly of Nanoparticles in Evaporating Aerosol Droplets: Preparation of Nanoporous Pt/TiO <sub>2</sub> Composite Particles. <i>Aerosol Science and Technology</i> , 2010, 44, 1140-1145.	1.5	17
24	Langmuir-Blodgett Assembly of Graphite Oxide Single Layers. <i>Journal of the American Chemical Society</i> , 2009, 131, 1043-1049.	6.6	1,628
25	Remote Optical Switch for Localized and Selective Control of Gene Interference. <i>Nano Letters</i> , 2009, 9, 562-570.	4.5	209
26	Construction of Evolutionary Tree for Morphological Engineering of Nanoparticles. <i>ACS Nano</i> , 2009, 3, 2191-2198.	7.3	104
27	Chemical Synthesis of Gold Nanowires in Acidic Solutions. <i>Journal of the American Chemical Society</i> , 2008, 130, 14442-14443.	6.6	192
28	Spontaneous formation of nanoparticle stripe patterns through dewetting. <i>Nature Materials</i> , 2005, 4, 896-900.	13.3	408
29	Crystal Overgrowth on Gold Nanorods: Tuning the Shape, Facet, Aspect Ratio, and Composition of the Nanorods. <i>Chemistry - A European Journal</i> , 2005, 11, 910-916.	1.7	182
30	Pt Nanocrystals: Shape Control and Langmuir-Blodgett Monolayer Formation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 188-193.	1.2	510
31	Platonic Gold Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3673-3677.	7.2	879
32	Cover Picture: Platonic Gold Nanocrystals ( <i>Angew. Chem. Int. Ed.</i> 28/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3615-3615.	7.2	3
33	Solution-Phase Synthesis of Single-Crystalline Iron Phosphide Nanorods/Nanowires. <i>Journal of the American Chemical Society</i> , 2004, 126, 1195-1198.	6.6	239
34	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. <i>Angewandte Chemie</i> , 2003, 115, 3139-3142.	1.6	129
35	Photochemical Synthesis of Gold Nanorods. <i>ChemInform</i> , 2003, 34, no.	0.1	0
36	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. <i>ChemInform</i> , 2003, 34, no.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3031-3034.	7.2	1,562
38	Langmuir-Blodgett Silver Nanowire Monolayers for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2003, 3, 1229-1233.	4.5	1,267
39	Self-Organized GaN Quantum Wire UV Lasers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8721-8725.	1.2	281
40	Functional Bimorph Composite Nanotapes. <i>Nano Letters</i> , 2002, 2, 1109-1112.	4.5	96
41	<i>Photochemical Sensing of NO<sub>2</sub> with SnO<sub>2</sub> Nanoribbon Nanosensors at Room Temperature</i> This work was supported by the Camille and Henry Dreyfus Foundation, 3M Corporation, the National Science Foundation, and the University of California, Berkeley. P.Y. is an Alfred P. Sloan Research Fellow. Work at the Lawrence Berkeley National Laboratory was supported by the Office of Science, Basic Energy Sciences, Division of Materials Science of the US Department of Energy. We thank the National Center for Electron Microsc. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2405.	7.2	785
42	Langmuir-Blodgett Assembly of One-Dimensional Nanostructures. <i>ChemPhysChem</i> , 2002, 3, 503.	1.0	152
43	Photochemical Synthesis of Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2002, 124, 14316-14317.	6.6	1,016
44	Synthesis and assembly of BaWO <sub>4</sub> nanorods. <i>Chemical Communications</i> , 2001, , 447-448.	2.2	185
45	Langmuir-Blodgett Nanorod Assembly. <i>Journal of the American Chemical Society</i> , 2001, 123, 4360-4361.	6.6	578
46	Enabling superior sodium storage behavior of MoS <sub>2</sub> in ether-based electrolytes. <i>Functional Materials Letters</i> , 0, , .	0.7	1
47	In Situ Electron Microscopy Study of the Dynamics of Liquid Flow in Confined Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 0, , .	4.0	1