

Franklin Kim

List of Publications by Year in descending order

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47
papers

15,495
citations

117625

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233421

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49
all docs

49
docs citations

49
times ranked

19234
citing authors

#	ARTICLE	IF	CITATIONS
1	Langmuir-Blodgett Assembly of Graphite Oxide Single Layers. Journal of the American Chemical Society, 2009, 131, 1043-1049.	13.7	1,628
2	Graphene Oxide Sheets at Interfaces. Journal of the American Chemical Society, 2010, 132, 8180-8186.	13.7	1,573
3	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. Angewandte Chemie - International Edition, 2003, 42, 3031-3034.	13.8	1,562
4	Langmuir-Blodgett Silver Nanowire Monolayers for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. Nano Letters, 2003, 3, 1229-1233.	9.1	1,267
5	Photochemical Synthesis of Gold Nanorods. Journal of the American Chemical Society, 2002, 124, 14316-14317.	13.7	1,016
6	Platonic Gold Nanocrystals. Angewandte Chemie - International Edition, 2004, 43, 3673-3677.	13.8	879
7	Photochemical Sensing of NO ₂ with SnO ₂ Nanoribbon Nanosensors at Room Temperature 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. Angewandte Chemie - International Edition, 2002, 41, 2405.	13.8	785
8	Graphene Oxide: Surface Activity and Two-Dimensional Assembly. Advanced Materials, 2010, 22, 1954-1958.	21.0	620
9	Langmuir-Blodgett Nanorod Assembly. Journal of the American Chemical Society, 2001, 123, 4360-4361.	13.7	578
10	Visualizing Graphene Based Sheets by Fluorescence Quenching Microscopy. Journal of the American Chemical Society, 2010, 132, 260-267.	13.7	511
11	Pt Nanocrystals: Shape Control and Langmuir-Blodgett Monolayer Formation. Journal of Physical Chemistry B, 2005, 109, 188-193.	2.6	510
12	Spontaneous formation of nanoparticle stripe patterns through dewetting. Nature Materials, 2005, 4, 896-900.	27.5	408
13	Graphene oxide as surfactant sheets. Pure and Applied Chemistry, 2010, 83, 95-110.	1.9	373
14	Self-Propagating Domino-Like Reactions in Oxidized Graphite. Advanced Functional Materials, 2010, 20, 2867-2873.	14.9	303
15	Self-Organized GaN Quantum Wire UV Lasers. Journal of Physical Chemistry B, 2003, 107, 8721-8725.	2.6	281
16	Energetic graphene oxide: Challenges and opportunities. Nano Today, 2012, 7, 137-152.	11.9	278
17	Solution-Phase Synthesis of Single-Crystalline Iron Phosphide Nanorods/Nanowires. Journal of the American Chemical Society, 2004, 126, 1195-1198.	13.7	239
18	Remote Optical Switch for Localized and Selective Control of Gene Interference. Nano Letters, 2009, 9, 562-570.	9.1	209

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19	Hydration-Responsive Folding and Unfolding in Graphene Oxide Liquid Crystal Phases. ACS Nano, 2011, 5, 8019-8025.	14.6	201
20	Surfactant-Free Water-Processable Photoconductive All-Carbon Composite. Journal of the American Chemical Society, 2011, 133, 4940-4947.	13.7	200
21	Chemical Synthesis of Gold Nanowires in Acidic Solutions. Journal of the American Chemical Society, 2008, 130, 14442-14443.	13.7	192
22	Synthesis and assembly of BaWO ₄ nanorods. Chemical Communications, 2001, , 447-448.	4.1	185
23	Crystal Overgrowth on Gold Nanorods: Tuning the Shape, Facet, Aspect Ratio, and Composition of the Nanorods. Chemistry - A European Journal, 2005, 11, 910-916.	3.3	182
24	Seeing graphene-based sheets. Materials Today, 2010, 13, 28-38.	14.2	171
25	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.	13.7	171
26	Langmuir-Blodgett Assembly of One-Dimensional Nanostructures. ChemPhysChem, 2002, 3, 503.	2.1	152
27	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.	7.8	138
28	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. Angewandte Chemie, 2003, 115, 3139-3142.	2.0	129
29	Diffusion driven layer-by-layer assembly of graphene oxide nanosheets into porous three-dimensional macrostructures. Nature Communications, 2014, 5, 5254.	12.8	113
30	Construction of Evolutionary Tree for Morphological Engineering of Nanoparticles. ACS Nano, 2009, 3, 2191-2198.	14.6	104
31	Functional Bimorph Composite Nanotapes. Nano Letters, 2002, 2, 1109-1112.	9.1	96
32	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
33	Self-Assembly of Two-Dimensional Nanosheets Induced by Interfacial Polyionic Complexation. ACS Nano, 2012, 6, 10606-10613.	14.6	42
34	Adjusting Channel Size within PVA-Based Hydrogels via Ice Templating for Enhanced Solar Steam Generation. ACS Applied Energy Materials, 2020, 3, 9216-9225.	5.1	36
35	Cation/Anion Codoped and Cobalt-Free Li-Rich Layered Cathode for High-Performance Li-Ion Batteries. Nano Letters, 2021, 21, 8370-8377.	9.1	35
36	Co-Assembly of Nanoparticles in Evaporating Aerosol Droplets: Preparation of Nanoporous Pt/TiO ₂ Composite Particles. Aerosol Science and Technology, 2010, 44, 1140-1145.	3.1	17

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37	Application of Diffusion-Driven Layer-by-Layer Assembly for Fabricating Compact Graphene-Based Supercapacitors. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600260.	3.7	14
38	MnCO ₃ on Graphene Porous Framework via Diffusion-Driven Layer-by-Layer Assembly for High-Performance Pseudocapacitor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47695-47703.	8.0	11
39	Revisiting the Structural Evolution of MoS ₂ During Alkali Metal (Li, Na, and K) Intercalation. <i>ACS Applied Energy Materials</i> , 2021, 4, 14180-14190.	5.1	7
40	Langmuir-Blodgett Assembly of Ti ₃ C ₂ T _x Nanosheets for Planar Microsupercapacitors. <i>ACS Applied Nano Materials</i> , 2022, 5, 4170-4179.	5.0	4
41	Cover Picture: Platonic Gold Nanocrystals (<i>Angew. Chem. Int. Ed.</i> 28/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3615-3615.	13.8	3
42	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays.. <i>ChemInform</i> , 2003, 34, no.	0.0	2
43	Self-Propagating Domino-like Reactions in Oxidized Graphite. <i>Advanced Functional Materials</i> , 2010, 20, .	14.9	2
44	PATTERNING AND ASSEMBLING NANOMATERIALS BY DIP COATING. , 2012, , 189-233.		1
45	Enabling superior sodium storage behavior of MoS ₂ in ether-based electrolytes. <i>Functional Materials Letters</i> , 0, , .	1.2	1
46	In Situ Electron Microscopy Study of the Dynamics of Liquid Flow in Confined Cells. <i>ACS Applied Materials & Interfaces</i> , 0, , .	8.0	1
47	Photochemical Synthesis of Gold Nanorods.. <i>ChemInform</i> , 2003, 34, no.	0.0	0