

Carter Kittrell

List of Publications by Year in descending order

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22
papers

2,436
citations

430874

18
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

3106
citing authors

#	ARTICLE	IF	CITATIONS
1	Gram-scale bottom-up flash graphene synthesis. <i>Nature</i> , 2020, 577, 647-651.	27.8	438
2	Laser-Induced Graphene Formation on Wood. <i>Advanced Materials</i> , 2017, 29, 1702211.	21.0	397
3	Reversible, Band-Gap-Selective Protonation of Single-Walled Carbon Nanotubes in Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6979-6985.	2.6	345
4	Dissolution of Pristine Single Walled Carbon Nanotubes in Superacids by Direct Protonation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8794-8798.	2.6	262
5	Assignment of (n, m) Raman and Optical Features of Metallic Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 1091-1096.	9.1	250
6	Size-dependent joule heating of gold nanoparticles using capacitively coupled radiofrequency fields. <i>Nano Research</i> , 2009, 2, 400-405.	10.4	133
7	Flash Graphene from Plastic Waste. <i>ACS Nano</i> , 2020, 14, 15595-15604.	14.6	132
8	Resonance Raman Spectroscopy of Dissociative Polyatomic Molecules. <i>The Journal of Physical Chemistry</i> , 1996, 100, 7743-7764.	2.9	74
9	Heteroatom-Doped Flash Graphene. <i>ACS Nano</i> , 2022, 16, 6646-6656.	14.6	46
10	High-accuracy measurement of vibrational Raman bands of ozone at 266 and 270 nm excitations. <i>Journal of Chemical Physics</i> , 1994, 101, 1914-1922.	3.0	44
11	Photon-induced dissociation with a four-sector tandem mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 107-109.	2.8	42
12	Ultrafast and Controllable Phase Evolution by Flash Joule Heating. <i>ACS Nano</i> , 2021, 15, 11158-11167.	14.6	38
13	Urban mining by flash Joule heating. <i>Nature Communications</i> , 2021, 12, 5794.	12.8	35
14	Spectroscopy and dynamics of resonance Raman scattering by iodobenzene excited in the B continuum. <i>Journal of Chemical Physics</i> , 1992, 96, 67-76.	3.0	32
15	Plastic Waste Product Captures Carbon Dioxide in Nanometer Pores. <i>ACS Nano</i> , 2022, 16, 7284-7290.	14.6	32
16	Increased CO ₂ selectivity of asphalt-derived porous carbon through introduction of water into pore space. <i>Nature Energy</i> , 2017, 2, 932-938.	39.5	31
17	Microwave Heating of Functionalized Graphene Nanoribbons in Thermoset Polymers for Wellbore Reinforcement. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12985-12991.	8.0	29
18	Bulk Production of Any Ratio ¹² C: ¹³ C Turbostratic Flash Graphene and Its Unusual Spectroscopic Characteristics. <i>ACS Nano</i> , 2021, 15, 10542-10552.	14.6	17

#	ARTICLE	IF	CITATIONS
19	Alteration of spectral characteristics of human artery wall caused by 476-nm laser irradiation. <i>Lasers in Surgery and Medicine</i> , 1989, 9, 572-580.	2.1	15
20	Sounds of Synthesis: Acoustic Real-Time Analysis of Laser-Induced Graphene. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	7
21	High resolution vacuum ultraviolet Stark measurement of the dipole moment of Al^{I} HCN. <i>Journal of Chemical Physics</i> , 1992, 96, 7209-7217.	3.0	5
22	STIMULATED EMISSION PUMPING BY FLUORESCENCE DIP: EXPERIMENTAL METHODS. <i>Advanced Series in Physical Chemistry</i> , 1995, , 109-147.	1.5	2