

Mengen Wang

List of Publications by Year in descending order

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23
papers

542
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759233

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23
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-enzymatic glucose sensors based on controllable nanoporous gold/copper oxide nanohybrids. <i>Talanta</i> , 2014, 125, 366-371.	5.5	83
2	Nanoporous gold assembly of glucose oxidase for electrochemical biosensing. <i>Electrochimica Acta</i> , 2014, 130, 559-567.	5.2	65
3	One-step fabrication of bio-functionalized nanoporous gold/poly(3,4-ethylenedioxythiophene) hybrid electrodes for amperometric glucose sensing. <i>Talanta</i> , 2013, 116, 1054-1059.	5.5	54
4	First-principles surface energies for monoclinic Ga ₂ O ₃ and Al ₂ O ₃ and consequences for cracking of (Al _x Ga _{1-x}) ₂ O ₃ . <i>APL Materials</i> , 2020, 8, .	5.1	53
5	Atomic scale investigation of aluminum incorporation, defects, and phase stability in $\hat{\Gamma}^2$ -(Al _x Ga _{1-x}) ₂ O ₃ films. <i>APL Materials</i> , 2021, 9, .	5.1	35
6	Energy Level Shifts at the Silica/Ru(0001) Heterojunction Driven by Surface and Interface Dipoles. <i>Topics in Catalysis</i> , 2017, 60, 481-491.	2.8	32
7	Examining the effects of self-assembled monolayers on nanoporous gold based amperometric glucose biosensors. <i>Analyst</i> , The, 2014, 139, 488-494.	3.5	29
8	Immobilization of single argon atoms in nano-cages of two-dimensional zeolite model systems. <i>Nature Communications</i> , 2017, 8, 16118.	12.8	29
9	Orientation-dependent band offsets between (Al _x Ga _{1-x}) ₂ O ₃ and Ga ₂ O ₃ . <i>Applied Physics Letters</i> , 2020, 117, .	3.3	24
10	Ionization-Facilitated Formation of 2D (Alumino)Silicate "Noble Gas Clathrate Compounds. <i>Advanced Functional Materials</i> , 2019, 29, 1806583.	14.9	20
11	Mechanism of the Accelerated Water Formation Reaction under Interfacial Confinement. <i>ACS Catalysis</i> , 2020, 10, 6119-6128.	11.2	20
12	Role of carbon and hydrogen in limiting n -type doping of monoclinic $\hat{\Gamma}^2$ -(Al _x Ga _{1-x}) ₂ O ₃ . <i>Physical Review B</i> , 2022, 105, .	3.2	18
13	Stabilization of Oxidized Copper Nanoclusters in Confined Spaces. <i>Topics in Catalysis</i> , 2018, 61, 419-427.	2.8	13
14	Synchrotron-based ambient pressure X-ray photoelectron spectroscopy of hydrogen and helium. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	13
15	Nonresonant valence-to-core x-ray emission spectroscopy of niobium. <i>Physical Review B</i> , 2018, 97, .	3.2	11
16	First-Principles Study of Interface Structures and Charge Rearrangement at the Aluminosilicate/Ru(0001) Heterojunction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7731-7739.	3.1	11
17	Role of Ga and In adatoms in the epitaxial growth of $\hat{\Gamma}^2$ -Ga ₂ O ₃ . <i>Physical Review B</i> , 2020, 102, .	3.2	11
18	Adsorption and Diffusion of Aluminum on $\hat{\Gamma}^2$ -Ga ₂ O ₃ (010) Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10650-10655.	8.0	7

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19	Incorporation of Si and Sn donors in \hat{I}^2 -Ga ₂ O ₃ through surface reconstructions. Journal of Applied Physics, 2021, 130, 185703.	2.5	7
20	Room-Temperature in Vacuo Chemisorption of Xenon Atoms on Ru(0001) under Interface Confinement. Journal of Physical Chemistry C, 2019, 123, 13578-13585.	3.1	5
21	Water Formation Reaction under Interfacial Confinement: Al _{0.25} Si _{0.75} O ₂ on O-Ru(0001). Nanomaterials, 2022, 12, 183.	4.1	2
22	2D (Alumino)Silicate Noble Clathrates: Ionization-Facilitated Formation of 2D (Alumino)Silicate Noble Gas Clathrate Compounds (Adv. Funct. Mater. 20/2019). Advanced Functional Materials, 2019, 29, 1970137.	14.9	0
23	Exfoliating silica bilayers via intercalation at the silica/transition metal interface. Nanotechnology, 2022, 33, 135702.	2.6	0