

Ke Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2957054/publications.pdf>

Version: 2024-02-01

57
papers

3,817
citations

147801
31
h-index

144013
57
g-index

57
all docs

57
docs citations

57
times ranked

6167
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional gallium nitride realized via graphene encapsulation. <i>Nature Materials</i> , 2016, 15, 1166-1171.	27.5	626
2	Nanoporous Au-Pt Alloys As Large Strain Electrochemical Actuators. <i>Nano Letters</i> , 2010, 10, 187-194.	9.1	286
3	Electrospun Janus nanofibers loaded with a drug and inorganic nanoparticles as an effective antibacterial wound dressing. <i>Materials Science and Engineering C</i> , 2020, 111, 110805.	7.3	202
4	Demonstration of the cold sintering process study for the densification and grain growth of ZnO ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 546-553.	3.8	197
5	Giant magnetostriction in annealed Co _{1-x} Fe _x thin-films. <i>Nature Communications</i> , 2011, 2, 518.	12.8	188
6	Cold Sintered Ceramic Nanocomposites of 2D MXene and Zinc Oxide. <i>Advanced Materials</i> , 2018, 30, e1801846.	21.0	149
7	Fermi level depinning and contact resistivity reduction using a reduced titania interlayer in n-silicon metal-insulator-semiconductor ohmic contacts. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	145
8	Tuning the Electronic and Photonic Properties of Monolayer MoS ₂ via In Situ Rhenium Substitutional Doping. <i>Advanced Functional Materials</i> , 2018, 28, 1706950.	14.9	137
9	Nanoporous Gold Testing Macro-scale Samples to Probe Small-scale Mechanical Behavior. <i>Materials Research Letters</i> , 2016, 4, 27-36.	8.7	121
10	Atomically thin half-van der Waals metals enabled by confinement heteroepitaxy. <i>Nature Materials</i> , 2020, 19, 637-643.	27.5	114
11	Electrospun Hydrophilic Janus Nanocomposites for the Rapid Onset of Therapeutic Action of Helicid. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2859-2867.	8.0	112
12	Composites of Nanoporous Gold and Polymer. <i>Advanced Materials</i> , 2013, 25, 1280-1284.	21.0	91
13	The impact of graphene properties on GaN and AlN nucleation. <i>Surface Science</i> , 2015, 634, 81-88.	1.9	88
14	Epitaxial graphene/silicon carbide intercalation: a minireview on graphene modulation and unique 2D materials. <i>Nanoscale</i> , 2019, 11, 15440-15447.	5.6	85
15	3D structure determination of native mammalian cells using cryo-FIB and cryo-electron tomography. <i>Journal of Structural Biology</i> , 2012, 180, 318-326.	2.8	66
16	Observation of Quasi-Two-Dimensional Polar Domains and Ferroelastic Switching in a Metal, Ca ₃ Ru ₂ O ₇ . <i>Nano Letters</i> , 2018, 18, 3088-3095.	9.1	62
17	Distinct conducting layer edge states in two-dimensional (2D) halide perovskite. <i>Science Advances</i> , 2019, 5, eaau3241.	10.3	62
18	Cold sintering and co-firing of a multilayer device with thermoelectric materials. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3488-3496.	3.8	60

#	ARTICLE	IF	CITATIONS
19	Considerations for Utilizing Sodium Chloride in Epitaxial Molybdenum Disulfide. ACS Applied Materials & Interfaces, 2018, 10, 40831-40837.	8.0	58
20	Electrospun Environment Remediation Nanofibers Using Unspinnable Liquids as the Sheath Fluids: A Review. Polymers, 2020, 12, 103.	4.5	57
21	Introducing a ZnO@PTFE (Polymer) Nanocomposite Varistor via the Cold Sintering Process. Advanced Engineering Materials, 2018, 20, 1700902.	3.5	55
22	Colon-specific pulsatile drug release provided by electrospun shellac nanocoating on hydrophilic amorphous composites. International Journal of Nanomedicine, 2018, Volume 13, 2395-2404.	6.7	53
23	Orodispersible Membranes from a Modified Coaxial Electrospinning for Fast Dissolution of Diclofenac Sodium. Membranes, 2021, 11, 802.	3.0	53
24	Prospects of direct growth boron nitride films as substrates for graphene electronics. Journal of Materials Research, 2014, 29, 459-471.	2.6	51
25	Spontaneous Formation of Atomically Thin Stripes in Transition Metal Dichalcogenide Monolayers. Nano Letters, 2016, 16, 6982-6987.	9.1	48
26	Drug@zein@lipid hybrid nanoparticles: Electrospinning preparation and drug extended release application. Colloids and Surfaces B: Biointerfaces, 2021, 201, 111629.	5.0	39
27	Deciphering the phase transition-induced ultrahigh piezoresponse in (K,Na)NbO ₃ -based piezoceramics. Nature Communications, 2022, 13, .	12.8	39
28	Large-area synthesis of WSe ₂ from WO ₃ by selenium@oxygen ion exchange. 2D Materials, 2015, 2, 014003.	4.4	37
29	The Thermal and Mechanical Properties of Poly(ethylene-co-vinyl acetate) Random Copolymers (PEVA) and its Covalently Crosslinked Analogues (cPEVA). Polymers, 2019, 11, 1055.	4.5	36
30	Comparative study of electrospun crystal-based and composite-based drug nano depots. Materials Science and Engineering C, 2020, 113, 110988.	7.3	36
31	Cold Sintering Na ₂ Mo ₂ O ₇ Ceramic with Poly(ether imide) (PEI) Polymer to Realize High-Performance Composites and Integrated Multilayer Circuits. ACS Applied Nano Materials, 2018, 1, 3837-3844.	5.0	35
32	Three-dimensional atomic scale electron density reconstruction of octahedral tilt epitaxy in functional perovskites. Nature Communications, 2018, 9, 5220.	12.8	32
33	A nanoporous gold-polypyrrole hybrid nanomaterial for actuation. Sensors and Actuators B: Chemical, 2017, 248, 622-629.	7.8	30
34	Regulation and targeting of androgen receptor nuclear localization in castration-resistant prostate cancer. Journal of Clinical Investigation, 2021, 131, .	8.2	30
35	Thermosetting polymers in cold sintering: The fabrication of ZnO@polydimethylsiloxane composites. Journal of the American Ceramic Society, 2020, 103, 3039-3050.	3.8	28
36	Properties of synthetic epitaxial graphene/molybdenum disulfide lateral heterostructures. Carbon, 2017, 125, 551-556.	10.3	27

#	ARTICLE	IF	CITATIONS
37	Mg-Fe Thin Films: A Phase-Separated Structure with Fast Kinetics of Hydrogenation. Journal of Physical Chemistry C, 2012, 116, 21277-21284.	3.1	26
38	Atomic scale imaging of competing polar states in a Ruddlesden-Popper layered oxide. Nature Communications, 2016, 7, 12572.	12.8	26
39	Cold sintering ZnO based varistor ceramics with controlled grain growth to realize superior breakdown electric field. Journal of the European Ceramic Society, 2021, 41, 430-435.	5.7	26
40	Deconvoluting the Photonic and Electronic Response of 2D Materials: The Case of MoS ₂ . Scientific Reports, 2017, 7, 16938.	3.3	23
41	Effect of lead content on the performance of niobium-doped {100} textured lead zirconate titanate films. Journal of the American Ceramic Society, 2017, 100, 3558-3567.	3.8	19
42	Atomic and electronic structure of domains walls in a polar metal. Physical Review B, 2019, 99, .	3.2	19
43	Impact of Copper Overpressure on the Synthesis of Hexagonal Boron Nitride Atomic Layers. ACS Applied Materials & Interfaces, 2014, 6, 16755-16762.	8.0	18
44	Relaxor Behavior in Ordered Lead Magnesium Niobate (PbMg _{1/3} Nb _{2/3} O ₃) Thin Films. Advanced Functional Materials, 2019, 29, 1804258.	14.9	17
45	Improvement of reliability and dielectric breakdown strength of Nb-doped lead zirconate titanate films via microstructure control of seed. Journal of the American Ceramic Society, 2019, 102, 1211-1217.	3.8	14
46	Nature of terrace edge states (TES) in lower-dimensional halide perovskite. Journal of Materials Chemistry A, 2020, 8, 7659-7670.	10.3	14
47	The Mechanical Effect of MnO ₂ Layers on Electrochemical Actuation Performance of Nanoporous Gold. Nanomaterials, 2020, 10, 2056.	4.1	12
48	Constructing Core-Shell Co@N-Rich Carbon Additives Toward Enhanced Hydrogen Storage Performance of Magnesium Hydride. Frontiers in Chemistry, 2020, 8, 223.	3.6	12
49	A novel androgen receptor antagonist JI-450 inhibits enzalutamide-resistant mutant AR F876L nuclear import and function. Prostate, 2020, 80, 319-328.	2.3	10
50	Management of Lead Content for Growth of {001}-Oriented Lead Magnesium Niobate-Lead Titanate Thin Films. Journal of the American Ceramic Society, 2016, 99, 1144-1146.	3.8	9
51	Differential impact of paired patient-derived BPH and normal adjacent stromal cells on benign prostatic epithelial cell growth in 3D culture. Prostate, 2020, 80, 1177-1187.	2.3	8
52	Atomic-scale measurement of polar entropy. Physical Review B, 2019, 100, .	3.2	7
53	Cold sintering of yttria-stabilized cubic bismuth oxide: Conductivity and microstructural evolution of metastable grain boundaries with annealing. Journal of Applied Physics, 2020, 128, .	2.5	7
54	Transformation of 2D group-III selenides to ultra-thin nitrides: enabling epitaxy on amorphous substrates. Nanotechnology, 2018, 29, 47LT02.	2.6	6

#	ARTICLE	IF	CITATIONS
55	Influence of graded doping on the long-term reliability of Nb-doped lead zirconate titanate films. <i>Acta Materialia</i> , 2021, 219, 117251.	7.9	5
56	Study on Chemical Vapor Deposition Growth and Transmission electron Microscopy MoS ₂ /h-BN Heterostructure. <i>Microscopy and Microanalysis</i> , 2016, 22, 1640-1641.	0.4	2
57	Random anion distribution in MS _x Se _{2-2x} (M = Mo, W) crystals and nanosheets. <i>RSC Advances</i> , 2018, 8, 9871-9878.	3.6	2