Nan Liu

List of Publications by Year
in descending order

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40	3,320	257450	330143
papers	citations	24 h-index	37 g-index

40	40	40	6616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning bandstructure of folded MoS2 through fluid dynamics. Nano Research, 2022, 15, 2734-2740.	10.4	7
2	Stretchable MoS₂ Artificial Photoreceptors for Eâ€Skin. Advanced Functional Materials, 2022, 32, 2107524.	14.9	24
3	Oneâ€Interlayerâ€Twisted Multilayer MoS₂ MoirÃ© Superlattices. Advanced Functional Materials, 2022, 32, .	14.9	16
4	Efficient and Air-Stable Doping of Folded MoS₂ Nanosheets for Use in Field-Effect Transistors. ACS Applied Nano Materials, 2022, 5, 2068-2074.	5.0	2
5	N-doped MoS2 via assembly transfer on an elastomeric substrate for high-photoresponsivity, air-stable and stretchable photodetector. Nano Research, 2022, 15, 9866-9874.	10.4	8
6	Topological structures of transition metal dichalcogenides: A review on fabrication, effects, applications, and potential. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 133-154.	17.3	29
7	Fabricating ultra-flexible photodetectors at the neutral mechanical plane by encapsulation. Journal of Materials Chemistry C, 2021, 9, 4070-4076.	5.5	5
8	Inside Cover Image. InformaÄnÃ-MateriÃ¡ly, 2021, 3, .	17.3	0
9	Electronically Weak Coupled Bilayer MoS₂ at Various Twist Angles via Folding. ACS Applied Materials & Interfaces, 2021, 13, 22819-22827.	8.0	16
10	Enhanced Valley Polarization of Bilayer MoSe₂ with Variable Stacking Order and Interlayer Coupling. Journal of Physical Chemistry Letters, 2021, 12, 5879-5888.	4.6	11
11	Ultra-conformal skin electrodes with synergistically enhanced conductivity for long-time and low-motion artifact epidermal electrophysiology. Nature Communications, 2021, 12, 4880.	12.8	116
12	Paraffin-Enabled Compressive Folding of Two-Dimensional Materials with Controllable Broadening of the Electronic Band Gap. ACS Applied Materials & Interfaces, 2021, 13, 40922-40931.	8.0	8
13	A Lamellibranchia-inspired epidermal electrode for electrophysiology. Materials Horizons, 2021, 8, 1047-1057.	12.2	28
14	Ammonium Salts: New Synergistic Additive for Chemical Vapor Deposition Growth of MoS₂. Journal of Physical Chemistry Letters, 2021, 12, 12384-12390.	4.6	7
15	Dynamic Agâ€“N Bond Enhanced Stretchable Conductor for Transparent and Self-Healing Electronic Skin. ACS Applied Materials & Interfaces, 2020, 12, 1486-1494.	8.0	53
16	Coreâ€“Sheath Stretchable Conductive Fibers for Safe Underwater Wearable Electronics. Advanced Materials Technologies, 2020, 5, 1900880.	5.8	46
17	A Bioinspired, Durable, and Nondisposable Transparent Graphene Skin Electrode for Electrophysiological Signal Detection. , 2020, 2, 999-1007.		44
18	Stretchable graphene electrodes. , 2020, , 175-204.		2

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19	Direct Growth of Continuous and Uniform MoS₂ Film on SiO₂/Si Substrate Catalyzed by Sodium Sulfate. Journal of Physical Chemistry Letters, 2020, 11, 1570-1577.	4.6	15
20	Antiâ€liquidâ€Interfering and Bacterially Antiadhesive Strategy for Highly Stretchable and Ultrasensitive Strain Sensors Based on Cassieâ€Baxter Wetting State. Advanced Functional Materials, 2020, 30, 2000398.	14.9	172
21	Transparent and Stretchable Graphene Electrode by Intercalation Doping for Epidermal Electrophysiology. ACS Applied Materials & Interfaces, 2020, 12, 56361-56371.	8.0	33
22	Shape-Engineered Synthesis of Atomically Thin 1T-SnS₂ Catalyzed by Potassium Halides. ACS Nano, 2019, 13, 8265-8274.	14.6	51
23	Vacuum-filtration enabled large-area CsPbBr₃ films on porous substrates for flexible photodetectors. Journal of Materials Chemistry C, 2019, 7, 13402-13409.	5.5	9
24	Ultratransparent and stretchable graphene electrodes. Science Advances, 2017, 3, e1700159.	10.3	231
25	Investigating Limiting Factors in Stretchable All-Carbon Transistors for Reliable Stretchable Electronics. ACS Nano, 2017, 11, 7925-7937.	14.6	52
26	Mechanically Durable and Highly Stretchable Transistors Employing Carbon Nanotube Semiconductor and Electrodes. Advanced Materials, 2016, 28, 4441-4448.	21.0	234
27	Fast and reversible thermoresponsive polymer switching materials for safer batteries. Nature Energy, 2016, 1, .	39.5	253
28	P-198L:Late-News Poster: Graphene-Based Polymer Stabilized Liquid Crystal Electro-Optic Device. Digest of Technical Papers SID International Symposium, 2016, 47, 1666-1669.	0.3	1
29	Partially-Screened Field Effect and Selective Carrier Injection at Organic Semiconductor/Graphene Heterointerface. Nano Letters, 2015, 15, 7587-7595.	9.1	58
30	Ultrahigh electrical conductivity in solution-sheared polymeric transparent films. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14138-14143.	7.1	248
31	Large-Scale Production of Graphene Nanoribbons from Electrospun Polymers. Journal of the American Chemical Society, 2014, 136, 17284-17291.	13.7	26
32	A Threeâ€Dimensionally Interconnected Carbon Nanotubeâ€“Conducting Polymer Hydrogel Network for Highâ€Performance Flexible Battery Electrodes. Advanced Energy Materials, 2014, 4, 1400207.	19.5	280
33	Probing the interfacial molecular packing in TIPS-pentacene organic semiconductors by surface enhanced Raman scattering. Journal of Materials Chemistry C, 2014, 2, 2985-2991.	5.5	27
34	Selective metal deposition at graphene line defects by atomic layer deposition. Nature Communications, 2014, 5, 4781.	12.8	243
35	Large-Area, Transparent, and Flexible Infrared Photodetector Fabricated Using P-N Junctions Formed by N-Doping Chemical Vapor Deposition Grown Graphene. Nano Letters, 2014, 14, 3702-3708.	9.1	201
36	Universal Segregation Growth Approach to Wafer-Size Graphene from Non-Noble Metals. Nano Letters, 2011, 11, 297-303.	9.1	239

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37	Segregation Growth of Graphene on Cuâ€“Ni Alloy for Precise Layer Control. Journal of Physical Chemistry C, 2011, 115, 11976-11982.	3.1	188
38	High-quality single-layer graphene via reparative reduction of graphene oxide. Nano Research, 2011, 4, 434-439.	10.4	91
39	Scanning tunneling microscope observations of non-AB stacking of graphene on Ni films. Nano Research, 2011, 4, 712-721.	10.4	35
40	The origin of wrinkles on transferred graphene. Nano Research, 2011, 4, 996-1004.	10.4	211