

Yufei Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,156
citations

22
h-index

33
g-index

47
ext. papers

1,586
ext. citations

8.6
avg, IF

4.34
L-index

#	Paper	IF	Citations
44	Ultrafast, Kinetically Limited, Ambient Synthesis of Vanadium Dioxides through Laser Direct Writing on Ultrathin Chalcogenide Matrix. <i>ACS Nano</i> , 2021 , 15, 10502-10513	16.7	6
43	Few-Layer MoS ₂ Nanosheet/Carbon Nanotube Composite Films for Long-Lifetime Lithium Storage and Hydrogen Generation. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4754-4762	5.6	6
42	Two-Dimensional Lateral Heterostructures Made by Selective Reaction on a Patterned Monolayer MoS Matrix. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26143-26151	9.5	1
41	Tomato protein phosphatase 2C influences the onset of fruit ripening and fruit glossiness. <i>Journal of Experimental Botany</i> , 2021 , 72, 2403-2418	7	8
40	Grain-Boundary Engineering of Monolayer MoS for Energy-Efficient Lateral Synaptic Devices. <i>Advanced Materials</i> , 2021 , 33, e2102435	24	10
39	Grain-Boundary Engineering of Monolayer MoS ₂ for Energy-Efficient Lateral Synaptic Devices (Adv. Mater. 32/2021). <i>Advanced Materials</i> , 2021 , 33, 2170251	24	
38	Wafer-scale freestanding vanadium dioxide film. <i>Science Advances</i> , 2021 , 7, eabk3438	14.3	6
37	A Review of Low-Power Electric Propulsion Research at the Space Propulsion Centre Singapore. <i>Aerospace</i> , 2020 , 7, 67	2.5	10
36	Direct laser patterning of two-dimensional lateral transition metal disulfide-oxide-disulfide heterostructures for ultrasensitive sensors. <i>Nano Research</i> , 2020 , 13, 2035-2043	10	8
35	Ionic Sensing Hydrogels: Ultrasensitive, Low-Voltage Operational, and Asymmetric Ionic Sensing Hydrogel for Multipurpose Applications (Adv. Funct. Mater. 12/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070080	15.6	1
34	Ultrasensitive, Low-Voltage Operational, and Asymmetric Ionic Sensing Hydrogel for Multipurpose Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1909616	15.6	16
33	Bifunctional NbS-Based Asymmetric Heterostructure for Lateral and Vertical Electronic Devices. <i>ACS Nano</i> , 2020 , 14, 175-184	16.7	32
32	Evolution of Abscisic Acid Signaling Module and Its Perception. <i>Frontiers in Plant Science</i> , 2020 , 11, 934	6.2	13
31	Bioelectronics-Related 2D Materials Beyond Graphene: Fundamentals, Properties, and Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2003732	15.6	14
30	High-Responsivity Photovoltaic Photodetectors Based on MoTe ₂ /MoSe ₂ van der Waals Heterojunctions. <i>Crystals</i> , 2019 , 9, 315	2.3	11
29	Watching Dynamic Self-Assembly of Web Buckles in Strained MoS Thin Films. <i>ACS Nano</i> , 2019 , 13, 3106-3116	16.7	17
28	A ligand-independent origin of abscisic acid perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24892-24899	11.5	39

27	Phase-transition modulated, high-performance dual-mode photodetectors based on WSe ₂ /VO ₂ heterojunctions. <i>Applied Physics Reviews</i> , 2019 , 6, 041407	17.3	27
26	Strain engineering in functional 2-dimensional materials. <i>Journal of Applied Physics</i> , 2019 , 125, 082402	2.5	45
25	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe. <i>Nano Letters</i> , 2019 , 19, 761-769	11.5	31
24	The functional analysis of SINCED1 in tomato pollen development. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 3457-3472	10.3	14
23	Substrate modified thermal stability of mono- and few-layer MoS. <i>Nanoscale</i> , 2018 , 10, 3540-3546	7.7	32
22	Suppressing Type 2C Protein Phosphatases Alters Fruit Ripening and the Stress Response in Tomato. <i>Plant and Cell Physiology</i> , 2018 , 59, 142-154	4.9	25
21	Robust photoluminescence energy of MoS ₂ /graphene heterostructure against electron irradiation. <i>Science China Materials</i> , 2018 , 61, 1351-1359	7.1	6
20	SlPti4 Affects Regulation of Fruit Ripening, Seed Germination and Stress Responses by Modulating ABA Signaling in Tomato. <i>Plant and Cell Physiology</i> , 2018 , 59, 1956-1965	4.9	21
19	Abscisic acid catabolism enhances dormancy release of grapevine buds. <i>Plant, Cell and Environment</i> , 2018 , 41, 2490-2503	8.4	30
18	Expression pattern of ABA metabolic and signalling genes during floral development and fruit set in sweet cherry. <i>Plant Growth Regulation</i> , 2018 , 84, 71-80	3.2	4
17	Variable responses of two VIMYBA gene promoters to ABA and ACC in Kyoho grape berries. <i>Journal of Plant Physiology</i> , 2017 , 211, 81-89	3.6	6
16	Suppressing ABA uridine diphosphate glucosyltransferase (SLUGT75C1) alters fruit ripening and the stress response in tomato. <i>Plant Journal</i> , 2017 , 91, 574-589	6.9	33
15	Modulating Photoluminescence of Monolayer Molybdenum Disulfide by Metal-Insulator Phase Transition in Active Substrates. <i>Small</i> , 2016 , 12, 3976-84	11	24
14	PacCYP707A2 negatively regulates cherry fruit ripening while PacCYP707A1 mediates drought tolerance. <i>Journal of Experimental Botany</i> , 2015 , 66, 3765-74	7	32
13	Transcriptional regulation of PaPYLs, PaPP2Cs and PaSnRK2s during sweet cherry fruit development and in response to abscisic acid and auxin at onset of fruit ripening. <i>Plant Growth Regulation</i> , 2015 , 75, 455-464	3.2	25
12	SINCED1 and SLCYP707A2: key genes involved in ABA metabolism during tomato fruit ripening. <i>Journal of Experimental Botany</i> , 2014 , 65, 5243-55	7	67
11	Transcriptional regulation of abscisic acid signal core components during cucumber seed germination and under Cu ²⁺ , Zn ²⁺ , NaCl and simulated acid rain stresses. <i>Plant Physiology and Biochemistry</i> , 2014 , 76, 67-76	5.4	29
10	Transcriptional regulation of genes encoding ABA metabolism enzymes during the fruit development and dehydration stress of pear 'Gold Nijisseiki'. <i>Plant Physiology and Biochemistry</i> , 2014 , 82, 299-308	5.4	14

9	The Role of ABA in the Maturation and Postharvest Life of a Nonclimacteric Sweet Cherry Fruit. <i>Journal of Plant Growth Regulation</i> , 2014 , 33, 373-383	4-7	50
8	Transcriptional Regulation of Genes Encoding Key Enzymes of Abscisic Acid Metabolism During Melon (<i>Cucumis melo</i> L.) Fruit Development and Ripening. <i>Journal of Plant Growth Regulation</i> , 2013 , 32, 233-244	4-7	36
7	The role of abscisic acid in regulating cucumber fruit development and ripening and its transcriptional regulation. <i>Plant Physiology and Biochemistry</i> , 2013 , 64, 70-9	5-4	49
6	The expression pattern of β -glucosidase genes (VvBGs) during grape berry maturation and dehydration stress. <i>Plant Growth Regulation</i> , 2013 , 70, 105-114	3-2	12
5	The role of FaBG3 in fruit ripening and <i>B. cinerea</i> fungal infection of strawberry. <i>Plant Journal</i> , 2013 , 76, 24-35	6-9	42
4	The expression profiling of the CsPYL, CsPP2C and CsSnRK2 gene families during fruit development and drought stress in cucumber. <i>Journal of Plant Physiology</i> , 2012 , 169, 1874-82	3-6	39
3	Non-climacteric ripening in strawberry fruit is linked to ABA, FaNCED2 and FaCYP707A1. <i>Functional Plant Biology</i> , 2012 , 39, 351-357	2-7	44
2	Expression analysis of β -glucosidase genes that regulate abscisic acid homeostasis during watermelon (<i>Citrullus lanatus</i>) development and under stress conditions. <i>Journal of Plant Physiology</i> , 2012 , 169, 78-85	3-6	36
1	Suppression of 9-cis-epoxycarotenoid dioxygenase, which encodes a key enzyme in abscisic acid biosynthesis, alters fruit texture in transgenic tomato. <i>Plant Physiology</i> , 2012 , 158, 283-98	6-6	178