

Saptarshi Das

List of Publications by Year in descending order

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167
papers

12,186
citations

46636

47
h-index

27257

107
g-index

203
all docs

203
docs citations

203
times ranked

19116
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Two-Dimensional Materials beyond Graphene. ACS Nano, 2015, 9, 11509-11539.	15.3	2,183
2	Blockade of the MAP kinase pathway suppresses growth of colon tumors in vivo. Nature Medicine, 1999, 5, 810-816.	30.1	932
3	Tunable Transport Gap in Phosphorene. Nano Letters, 2014, 14, 5733-5739.	9.5	681
4	Contact engineering for 2D materials and devices. Chemical Society Reviews, 2018, 47, 3037-3058.	40.3	610
5	Beyond Graphene: Progress in Novel Two-Dimensional Materials and van der Waals Solids. Annual Review of Materials Research, 2015, 45, 1-27.	9.8	570
6	Transistors based on two-dimensional materials for future integrated circuits. Nature Electronics, 2021, 4, 786-799.	18.9	441
7	Ambipolar Phosphorene Field Effect Transistor. ACS Nano, 2014, 8, 11730-11738.	15.3	362
8	WSe ₂ field effect transistors with enhanced ambipolar characteristics. Applied Physics Letters, 2013, 103, .	3.2	350
9	All Two-Dimensional, Flexible, Transparent, and Thinnest Thin Film Transistor. Nano Letters, 2014, 14, 2861-2866.	9.5	335
10	Benchmarking monolayer MoS ₂ and WS ₂ field-effect transistors. Nature Communications, 2021, 12, 693.	13.2	303
11	Where Does the Current Flow in Two-Dimensional Layered Systems?. Nano Letters, 2013, 13, 3396-3402.	9.5	231
12	Mimicking Neurotransmitter Release in Chemical Synapses <i>via</i> Hysteresis Engineering in MoS ₂ Transistors. ACS Nano, 2017, 11, 3110-3118.	15.3	228
13	A roadmap for electronic grade 2D materials. 2D Materials, 2019, 6, 022001.	4.5	226
14	Diffusion-Controlled Epitaxy of Large Area Coalesced WSe ₂ Monolayers on Sapphire. Nano Letters, 2018, 18, 1049-1056.	9.5	213
15	Wafer-Scale Epitaxial Growth of Unidirectional WS ₂ Monolayers on Sapphire. ACS Nano, 2021, 15, 2532-2541.	15.3	174
16	Toward Low-Power Electronics: Tunneling Phenomena in Transition Metal Dichalcogenides. ACS Nano, 2014, 8, 1681-1689.	15.3	165
17	A low-power biomimetic collision detector based on an in-memory molybdenum disulfide photodetector. Nature Electronics, 2020, 3, 646-655.	18.9	151
18	Screening and interlayer coupling in multilayer MoS ₂ . Physica Status Solidi - Rapid Research Letters, 2013, 7, 268-273.	2.5	149

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19	Carbon doping of WS ₂ monolayers: Bandgap reduction and p-type doping transport. Science Advances, 2019, 5, eaav5003.	10.9	131
20	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. Advanced Science, 2020, 7, 2001174.	12.4	115
21	Defect-Controlled Nucleation and Orientation of WSe ₂ on hBN: A Route to Single-Crystal Epitaxial Monolayers. ACS Nano, 2019, 13, 3341-3352.	15.3	113
22	Graphene memristive synapses for high precision neuromorphic computing. Nature Communications, 2020, 11, 5474.	13.2	113
23	Quantum-Confined Electronic States Arising from the Moiré Pattern of MoS ₂ -WSe ₂ Heterobilayers. Nano Letters, 2018, 18, 1849-1855.	9.5	97
24	FETRAM. An Organic Ferroelectric Material Based Novel Random Access Memory Cell. Nano Letters, 2011, 11, 4003-4007.	9.5	89
25	High gain, low noise, fully complementary logic inverter based on bi-layer WSe ₂ field effect transistors. Applied Physics Letters, 2014, 105, .	3.2	89
26	A biomimetic neural encoder for spiking neural network. Nature Communications, 2021, 12, 2143.	13.2	87
27	Gaussian synapses for probabilistic neural networks. Nature Communications, 2019, 10, 4199.	13.2	86
28	Nb-doped single crystalline MoS ₂ field effect transistor. Applied Physics Letters, 2015, 106, .	3.2	84
29	Stochastic resonance in MoS ₂ photodetector. Nature Communications, 2020, 11, 4406.	13.2	82
30	Active pixel sensor matrix based on monolayer MoS ₂ phototransistor array. Nature Materials, 2022, 21, 1379-1387.	26.6	82
31	Graphene-based physically unclonable functions that are reconfigurable and resilient to machine learning attacks. Nature Electronics, 2021, 4, 364-374.	18.9	80
32	Depression and health-related quality of life in elderly patients suffering from heart failure and their spouses: a comparative study. European Journal of Heart Failure, 2005, 7, 583-589.	7.5	79
33	Defect Dynamics in 2-D MoS ₂ Probed by Using Machine Learning, Atomistic Simulations, and High-Resolution Microscopy. ACS Nano, 2018, 12, 8006-8016.	15.3	79
34	Review and comparison of layer transfer methods for two-dimensional materials for emerging applications. Chemical Society Reviews, 2021, 50, 11032-11054.	40.3	77
35	A biomimetic 2D transistor for audiomorphic computing. Nature Communications, 2019, 10, 3450.	13.2	76
36	Phosphopeptides from Grana Padano cheese: nature, origin and changes during ripening. Journal of Dairy Research, 1997, 64, 601-615.	1.5	63

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37	Impact of Post-Lithography Polymer Residue on the Electrical Characteristics of MoS ₂ and WSe ₂ Field Effect Transistors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801321.	4.1	63
38	Spontaneous chemical functionalization via coordination of Au single atoms on monolayer MoS ₂ . <i>Science Advances</i> , 2020, 6, .	10.9	61
39	All-in-one, bio-inspired, and low-power crypto engines for near-sensor security based on two-dimensional memtransistors. <i>Nature Communications</i> , 2022, 13, .	13.2	60
40	Low-Power and Ultra-Thin MoS ₂ Photodetectors on Glass. <i>ACS Nano</i> , 2020, 14, 15440-15449.	15.3	58
41	Graphene and Beyond: Recent Advances in Two-Dimensional Materials Synthesis, Properties, and Devices. <i>ACS Nanoscience Au</i> , 2022, 2, 450-485.	4.8	55
42	Two Dimensional Electrostrictive Field Effect Transistor (2D-EFET): A sub-60mV/decade Steep Slope Device with High ON current. <i>Scientific Reports</i> , 2016, 6, 34811.	3.4	53
43	Mobility Deception in Nanoscale Transistors: An Untold Contact Story. <i>Advanced Materials</i> , 2019, 31, e1806020.	24.3	52
44	Secure Electronics Enabled by Atomically Thin and Photosensitive Two-Dimensional Memtransistors. <i>ACS Nano</i> , 2021, 15, 19815-19827.	15.3	52
45	Biological physically unclonable function. <i>Communications Physics</i> , 2019, 2, .	5.3	51
46	Controllable p-Type Doping of 2D WSe ₂ via Vanadium Substitution. <i>Advanced Functional Materials</i> , 2021, 31, 2105252.	16.5	51
47	Silicon Nanowire Tunneling Field-Effect Transistor Arrays: Improving Subthreshold Performance Using Excimer Laser Annealing. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 1822-1829.	3.2	48
48	Low-frequency noise in MoSe ₂ field effect transistors. <i>Applied Physics Letters</i> , 2015, 106, .	3.2	47
49	Scalable BEOL compatible 2D tungsten diselenide. <i>2D Materials</i> , 2020, 7, 015029.	4.5	45
50	Large scale 2D/3D hybrids based on gallium nitride and transition metal dichalcogenides. <i>Nanoscale</i> , 2018, 10, 336-341.	5.8	41
51	Resilience framework and metrics for energy master planning of communities. <i>Energy</i> , 2020, 203, 117856.	9.0	40
52	Thickness Trends of Electron and Hole Conduction and Contact Carrier Injection in Surface Charge Transfer Doped 2D Field Effect Transistors. <i>ACS Nano</i> , 2020, 14, 13557-13568.	15.3	39
53	Flat Bands and Mechanical Deformation Effects in the Moiré Superlattice of MoS ₂ -WSe ₂ Heterobilayers. <i>ACS Nano</i> , 2020, 14, 7564-7573.	15.3	39
54	The Taurida Cave, a New Locality of Early Pleistocene Vertebrates in Crimea. <i>Doklady Biological Sciences</i> , 2019, 485, 40-43.	0.7	38

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55	Extraordinary Radiation Hardness of Atomically Thin MoS ₂ . ACS Applied Materials & Interfaces, 2019, 11, 8391-8399.	8.3	37
56	Scalable Substitutional Re ⁺ Doping and its Impact on the Optical and Electronic Properties of Tungsten Diselenide. Advanced Materials, 2020, 32, e2005159.	24.3	37
57	Broken-Gap Tunnel MOSFET: A Constant-Slope Sub-60-mV/decade Transistor. IEEE Electron Device Letters, 2011, 32, 1367-1369.	4.2	36
58	Electrochemical Polishing of Two-Dimensional Materials. ACS Nano, 2019, 13, 78-86.	15.3	36
59	Exogenous dibutyl cAMP affects meiotic maturation via protein kinase A activation; it stimulates further embryonic development including blastocyst quality in pigs. Theriogenology, 2008, 69, 290-301.	2.2	35
60	A Sparse and Spike-Timing-Based Adaptive Photoencoder for Augmenting Machine Vision for Spiking Neural Networks. Advanced Materials, 2022, 34, .	24.3	34
61	Three-dimensional integration of two-dimensional field-effect transistors. Nature, 2024, 625, 276-281.	36.2	33
62	Hardware implementation of Bayesian network based on two-dimensional memtransistors. Nature Communications, 2022, 13, .	13.2	31
63	Step engineering for nucleation and domain orientation control in WSe ₂ epitaxy on c-plane sapphire. Nature Nanotechnology, 2023, 18, 1295-1302.	30.5	31
64	Research Update: Recent progress on 2D materials beyond graphene: From ripples, defects, intercalation, and valley dynamics to straintronics and power dissipation. APL Materials, 2018, 6, .	4.8	30
65	Heterogeneous Integration of Atomically Thin Semiconductors for Non ⁺ von Neumann CMOS. Small, 2022, 18, .	11.2	29
66	Effect of Diameter Variation on Electrical Characteristics of Schottky Barrier Indium Arsenide Nanowire Field-Effect Transistors. ACS Nano, 2014, 8, 6281-6287.	15.3	28
67	The Prospect of Two-Dimensional Heterostructures: A Review of Recent Breakthroughs. IEEE Nanotechnology Magazine, 2017, 11, 6-17.	1.4	28
68	Generation of reactive oxygen species in titanates nanotubes induced by hydrogen peroxide and their application in catalytic degradation of methylene blue dye. Journal of Molecular Catalysis A, 2014, 394, 316-323.	4.8	27
69	Superior Electro-Oxidation and Corrosion Resistance of Monolayer Transition Metal Disulfides. ACS Applied Materials & Interfaces, 2018, 10, 4285-4294.	8.3	27
70	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 ⁺ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	8.0	27
71	Satisfiability Attack-Resistant Camouflaged Two-Dimensional Heterostructure Devices. ACS Nano, 2021, 15, 3453-3467.	15.3	26
72	A Machine Learning Attack Resilient True Random Number Generator Based on Stochastic Programming of Atomically Thin Transistors. ACS Nano, 2021, 15, 17804-17812.	15.3	26

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73	Head and neck vascular malformations: time-resolved MR projection angiography. <i>Neuroradiology</i> , 2003, 45, 681-686.	2.3	25
74	A Self-Limiting Electro-Ablation Technique for the Top-Down Synthesis of Large-Area Monolayer Flakes of 2D Materials. <i>Scientific Reports</i> , 2016, 6, 28195.	3.4	25
75	Genome-based reclassification of <i>Bacillus plakortidis</i> Borchert et al. 2007 and <i>Bacillus lehensis</i> Ghosh et al. 2007 as a later heterotypic synonym of <i>Bacillus oshimensis</i> Yumoto et al. 2005; <i>Bacillus rhizosphaerae</i> Madhaiyan et al. 2011 as a later heterotypic synonym of <i>Bacillus clausii</i> Nielsen et al. 1995. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 1725-1730.	1.7	25
76	Two-dimensional materials-based probabilistic synapses and reconfigurable neurons for measuring inference uncertainty using Bayesian neural networks. <i>Nature Communications</i> , 2022, 13, .	13.2	25
77	Accurate Conduction Velocity Maps and Their Association With Scar Distribution on Magnetic Resonance Imaging in Patients With Postinfarction Ventricular Tachycardias. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007792.	5.0	24
78	Bioinspired and Low-Power 2D Machine Vision with Adaptive Machine Learning and Forgetting. <i>ACS Nano</i> , 2022, 16, 20010-20020.	15.3	24
79	Taming contact line instability for pattern formation. <i>Nature Communications</i> , 2016, 7, 12458.	13.2	23
80	Facile Electrochemical Synthesis of 2D Monolayers for High-Performance Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44617-44624.	8.3	22
81	On the Importance of Bandgap Formation in Graphene for Analog Device Applications. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1093-1098.	2.2	20
82	A bio-inspired visuotactile neuron for multisensory integration. <i>Nature Communications</i> , 2023, 14, .	13.2	20
83	Interface Transparency and Rashba Spin Torque Enhancement in WSe ₂ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13744-13750.	8.3	19
84	Logic Locking of Integrated Circuits Enabled by Nanoscale MoS ₂ -Based Memtransistors. <i>ACS Applied Nano Materials</i> , 2022, 5, 14447-14455.	5.2	19
85	Hardware and Information Security Primitives Based on 2D Materials and Devices. <i>Advanced Materials</i> , 2023, 35, .	24.3	17
86	Dilute Rhenium Doping and its Impact on Defects in MoS ₂ . <i>ACS Nano</i> , 2023, 17, 15629-15640.	15.3	17
87	Modification of the Electronic Transport in Atomically Thin WSe ₂ by Oxidation. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000422.	4.1	16
88	On the scaling behavior of organic ferroelectric copolymer PVDF-TrFE for memory application. <i>Organic Electronics</i> , 2012, 13, 3326-3332.	2.8	15
89	Amended Safety Assessment of Methylisothiazolinone as Used in Cosmetics. <i>International Journal of Toxicology</i> , 2019, 38, 70S-84S.	1.1	15
90	An All-in-One Bioinspired Neural Network. <i>ACS Nano</i> , 2022, 16, 20100-20115.	15.3	15

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91	Insect-Inspired, Spike-Based, in-Sensor, and Night-Time Collision Detector Based on Atomically Thin and Light-Sensitive Memtransistors. ACS Nano, 2023, 17, 1068-1080.	15.3	15
92	Simultaneous measurement of density and viscosity in gases with a quartz tuning fork resonator by tracking of the series resonance frequency. Procedia Engineering, 2011, 25, 1297-1300.	1.2	14
93	Study on the Growth Parameters and the Electrical and Optical Behaviors of 2D Tungsten Disulfide. ACS Applied Materials & Interfaces, 2020, 12, 16576-16583.	8.3	14
94	An Annealing Accelerator for Ising Spin Systems Based on In-Memory Complementary 2D FETs. Advanced Materials, 2022, 34, e2107076.	24.3	14
95	A Small Signal Amplifier Based on Ionic Liquid Gated Black Phosphorous Field Effect Transistor. IEEE Electron Device Letters, 2015, 36, 621-623.	4.2	13
96	Low-temperature metalorganic chemical vapor deposition of molybdenum disulfide on multicomponent glass substrates. FlatChem, 2018, 11, 32-37.	5.8	13
97	Seamless Fabrication and Threshold Engineering in Monolayer MoS ₂ Dual-Gated Transistors via Hydrogen Silsesquioxane. Advanced Electronic Materials, 2019, 5, 1800888.	5.4	13
98	Demonstration of Stochastic Resonance, Population Coding, and Population Voting Using Artificial MoS ₂ Based Synapses. ACS Nano, 2021, 15, 16172-16182.	15.3	13
99	Ultrascaled Contacts to Monolayer MoS ₂ Field Effect Transistors. Nano Letters, 2023, 23, 3426-3434.	9.5	13
100	Evaluating the scalability of multilayer MoS ₂ transistors. , 2013, , .		11
101	Anomalous Corrosion of Bulk Transition Metal Diselenides Leading to Stable Monolayers. ACS Applied Materials & Interfaces, 2017, 9, 39059-39068.	8.3	11
102	Biological One-Way Functions for Secure Key Generation. Advanced Theory and Simulations, 2019, 2, 1800154.	2.9	11
103	Toward High-Performance p-Type Two-Dimensional Field Effect Transistors: Contact Engineering, Scaling, and Doping. ACS Nano, 2023, 17, 19709-19723.	15.3	11
104	Stress management for pregnant adolescents and adolescent mothers: A pilot study. Child and Adolescent Social Work Journal, 1990, 7, 53-67.	1.4	10
105	Three-Dimensional Integrated X-ray Diffraction Imaging of a Native Strain in Multi-Layered WSe ₂ . Nano Letters, 2018, 18, 1993-2000.	9.5	10
106	Cortiva Versus AlloDerm Ready-to-use in Prepectoral and Submuscular Breast Reconstruction: Prospective Randomized Clinical Trial Study Design and Early Findings. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e2013.	0.6	10
107	Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{\mathrm{NN}}}$ = 5.44 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.8	9
108	Graphene Strain-Effect Transistor with Colossal ON/OFF Current Ratio Enabled by Reversible Nanocrack Formation in Metal Electrodes on Piezoelectric Substrates. Nano Letters, 2023, 23, 2536-2543.	9.5	9

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109	Increase in Tumor Oxygenation and Potentiation of Radiation Effects Using Pentoxifylline, Vinpocetine and Ticlopidine Hydrochloride. <i>Journal of Radiation Research</i> , 2005, 46, 373-378.	1.7	8
110	Unveiling the electrical and photo-physical properties of intrinsic n-type 2D WSe ₂ for high performance field-effect transistors. <i>Journal of Applied Physics</i> , 2022, 131, .	2.3	8
111	A Monolithic Stochastic Computing Architecture for Energy Efficient Arithmetic. <i>Advanced Materials</i> , 2023, 35, .	24.3	8
112	A Graphene-Based Straintronic Physically Unclonable Function. <i>Nano Letters</i> , 2023, 23, 5171-5179.	9.5	8
113	An all-graphene radio frequency low noise amplifier. , 2011, , .		7
114	In Situ Optical Tracking of Electroablation in Two-Dimensional Transition-Metal Dichalcogenides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40773-40780.	8.3	7
115	Leaving defects out of 2D molybdenum disulfide. <i>Nature Electronics</i> , 2022, 5, 19-20.	18.9	7
116	Bimodal Energy Relaxation in Quasi-One-Dimensional Compounds with a Commensurate Modulated Ground State. <i>Physical Review Letters</i> , 2005, 94, .	8.0	6
117	Detection and generation of submillimeter and terahertz modes in ferromagnet-antiferromagnet junctions. <i>JETP Letters</i> , 2013, 98, 96-100.	1.5	6
118	Acquisition and analysis of scanning tunneling spectroscopy data of WSe ₂ monolayer. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	2.2	6
119	An Ultra-steep Slope Two-dimensional Strain Effect Transistor. <i>Nano Letters</i> , 2022, 22, 9252-9259.	9.5	6
120	ASEM and the future of Asia-Europe relations: Background, characteristics and challenges. <i>Asia Europe Journal</i> , 2004, 2, 341-354.	1.1	5
121	DEWATERING OF ELECTROPLATING SLUDGE USING DIMETHYL ETHER. <i>Doboku Gakkai Ronbunshuu C</i> , 2010, 66, 96-102.	0.1	5
122	Ionic gated WSe ₂ FETs: Towards transparent Schottky barriers. , 2014, , .		5
123	Stability of the tungsten diselenide and silicon carbide heterostructure against high energy proton exposure. <i>Applied Physics Letters</i> , 2017, 111, .	3.2	5
124	Mask-free patterning and selective CVD-growth of 2D-TMDCs semiconductors. <i>Semiconductor Science and Technology</i> , 2019, 34, 085010.	2.1	5
125	2-D Strain FET (2D-SFET) Based SRAMs – Part I: Device-Circuit Interactions. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4866-4874.	3.2	5
126	Consensus Recommendations for the Use of Simulation in Therapeutic Patient Education. <i>Simulation in Healthcare</i> , 2020, 15, 30-38.	1.3	5

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127	High Throughput Data-Driven Design of Laser-Crystallized 2D MoS ₂ Chemical Sensors: A Demonstration for NO ₂ Detection. ACS Applied Nano Materials, 2022, 5, 7549-7561.	5.2	5
128	Radiation Resilient Two-Dimensional Electronics. ACS Applied Materials & Interfaces, 2023, 15, 26946-26959.	8.3	5
129	An all 2D bio-inspired gustatory circuit for mimicking physiology and psychology of feeding behavior. Nature Communications, 2023, 14, .	13.2	5
130	Two-Dimensional Memtransistors for Non-Von Neumann Computing: Progress and Challenges. Advanced Functional Materials, 2024, 34, .	16.5	5
131	A Butterfly-Inspired Multisensory Neuromorphic Platform for Integration of Visual and Chemical Cues. Advanced Materials, 2024, 36, .	24.3	5
132	Toxic erythema of chemotherapy. American Journal of Hematology, 2012, 87, 923-923.	4.3	4
133	2D Materials for Ubiquitous Electronics. , 2018, , .		4
134	Digital holography for non-invasive quantitative imaging of two-dimensional materials. Journal of Applied Physics, 2020, 127, .	2.3	4
135	Sex differences in at-risk drinking and associated factors—a cross-sectional study of 8,616 community-dwelling adults 60 years and older: the TromsÅ, study, 2015-16. BMC Geriatrics, 2022, 22, 170.	2.8	4
136	Observation of Rich Defect Dynamics in Monolayer MoS ₂ . ACS Nano, 2023, 17, 14449-14460.	15.3	4
137	2D-EFET – A novel beyond Boltzmann transistor. , 2017, , .		3
138	2- Transistor Schmitt Trigger based on 2D Electrostrictive Field Effect Transistors. , 2018, , .		3
139	Polarization-induced Strain-coupled TMD FETs (PS FETs) for Non-Volatile Memory Applications. , 2020, , .		3
140	2D Strain FET (2D-SFET)-Based SRAMs—Part II: Back Voltage-Enabled Designs. IEEE Transactions on Electron Devices, 2020, 67, 4875-4883.	3.2	3
141	Isolation and Characterization of Intrinsically Active (MEK-Independent) Mutants of Mpk1/Erk. Methods in Molecular Biology, 2017, 1487, 65-88.	0.0	3
142	Energy Efficient Routing Approach for IoT Assisted Smart Devices in WSN. , 2022, , .		3
143	Ultra-scaled phototransistors based on monolayer MoS ₂ . Device (New York), 2023, 1, 100102.	0.0	3
144	Digital Keying Enabled by Reconfigurable 2D Modulators. Advanced Materials, 2022, 34, .	24.3	2

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145	Hardware Trojans based on two-dimensional memtransistors. <i>Nanoscale Horizons</i> , 2023, 8, 603-615.	7.7	2
146	A Peripheral-Free True Random Number Generator Based on Integrated Circuits Enabled by Atomically Thin Two-Dimensional Materials. <i>ACS Nano</i> , 2023, 17, 16817-16826.	15.3	2
147	Cushing Disease. <i>Contemporary Neurosurgery</i> , 2015, 37, 1-6.	0.1	1
148	The electrothermal conductance and heat capacity of black phosphorus. <i>Journal of Chemical Physics</i> , 2018, 148, 104701.	3.1	1
149	Medial Meniscus Posterior Root Tear Treatment: Response. <i>American Journal of Sports Medicine</i> , 2021, 49, NP7-NP8.	4.3	1
150	Special issue on Carbon-based Electronics. <i>Carbon</i> , 2021, 182, 856.	10.7	1
151	NA PANCADA DO GANZÃ•E A RACIONALIZAÃƒO DA MÃŠSICA OCIDENTAL. <i>Brasiliana: Journal for Brazilian Studies</i> , 2015, 4, 7-32.	0.1	1
152	Effect of growth temperature on the microstructure and properties of epitaxial MoS2 monolayers grown by metalorganic chemical vapor deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2024, 42, .	2.2	1
153	3D integration of 2D electronics. <i>Nature Reviews Electrical Engineering</i> , 2024, 1, 300-316.	0.0	1
154	Radical Uncertainty, Dynamic Competition and a Model of the Business Cycle: The Implications of a Measure and an Explanation of What Is Supposed Non-Measurable and Non-Explainable. <i>International Journal of Business and Management</i> , 2013, 8, .	0.3	0
155	60-1: <i>Invited Paper</i>: The Emerging Era of 2D Materials. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 813-815.	0.3	0
156	Photon-assisted heat engines in the THz regime. <i>Journal of Applied Physics</i> , 2020, 127, 024305.	2.3	0
157	Mind your heart: the epigenetic consequences of heart failure on brain function. <i>EMBO Molecular Medicine</i> , 2021, 13, e13785.	7.3	0
158	Periodontal Disease and Risk of Non Hodgkin Lymphoma (NHL) in the Health Professionals Follow-up Study (HPFS). <i>Blood</i> , 2015, 126, 5024-5024.	1.4	0
159	Morbus Fabry-Beteiligung des rechten Ventrikels â€œ Neue Einsichten durch MR-basierte myokardiale Strain-Analyse. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2018, 190, .	0.3	0
160	InfluÃªncia do tipo e espessura de sistemas CAD/CAM no grau de conversÃ£o de cimento resinoso dual. <i>Revista Dos Trabalhos De IniciaÃ§Ã£o CientÃfica Da UNICAMP</i> , 2019, , .	0.0	0
161	â€œOnze jongens worden zelden modelburgersâ€™. <i>Proces</i> , 2023, 102, 275-290.	0.0	0
162	A 2D Cryptographic Hash Function Incorporating Homomorphic Encryption for Secure Digital Signatures. <i>Advanced Materials</i> , 2024, 36, .	24.3	0

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163	A Crayfish-Inspired Sensor Fusion Platform for Super Additive Integration of Visual, Chemical, and Tactile Information. <i>Nano Letters</i> , 2024, 24, 6948-6956.	9.5	0
164	Monolithic three-dimensional integration of complementary two-dimensional field-effect transistors. <i>Nature Nanotechnology</i> , 0, , .	30.5	0
165	Two-dimensional-materials-based transistors using hexagonal boron nitride dielectrics and metal gate electrodes with high cohesive energy. <i>Nature Electronics</i> , 0, , .	18.9	0
166	Monolithic and heterogeneous three-dimensional integration of two-dimensional materials with high-density vias. <i>Nature Electronics</i> , 0, , .	18.9	0
167	Robust chemical analysis with graphene chemosensors and machine learning. <i>Nature</i> , 0, , .	36.2	0