

Saptarshi Das

List of Publications by Year in descending order

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167
papers

12,186
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46636

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docs citations

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times ranked

19116
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#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Memtransistors for Non-Von Neumann Computing: Progress and Challenges. <i>Advanced Functional Materials</i> , 2024, 34, .	16.5	5
2	A Butterfly-Inspired Multisensory Neuromorphic Platform for Integration of Visual and Chemical Cues. <i>Advanced Materials</i> , 2024, 36, .	24.3	5
3	Three-dimensional integration of two-dimensional field-effect transistors. <i>Nature</i> , 2024, 625, 276-281.	36.2	33
4	Effect of growth temperature on the microstructure and properties of epitaxial MoS ₂ 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
5	A 2D Cryptographic Hash Function Incorporating Homomorphic Encryption for Secure Digital Signatures. <i>Advanced Materials</i> , 2024, 36, .	24.3	0
6	3D integration of 2D electronics. <i>Nature Reviews Electrical Engineering</i> , 2024, 1, 300-316.	0.0	1
7	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
8	A Monolithic Stochastic Computing Architecture for Energy Efficient Arithmetic. <i>Advanced Materials</i> , 2023, 35, .	24.3	8
9	Hardware and Information Security Primitives Based on 2D Materials and Devices. <i>Advanced Materials</i> , 2023, 35, .	24.3	17
10	Insect-Inspired, Spike-Based, in-Sensor, and Night-Time Collision Detector Based on Atomically Thin and Light-Sensitive Memtransistors. <i>ACS Nano</i> , 2023, 17, 1068-1080.	15.3	15
11	Hardware Trojans based on two-dimensional memtransistors. <i>Nanoscale Horizons</i> , 2023, 8, 603-615.	7.7	2
12	Graphene Strain-Effect Transistor with Colossal ON/OFF Current Ratio Enabled by Reversible Nanocrack Formation in Metal Electrodes on Piezoelectric Substrates. <i>Nano Letters</i> , 2023, 23, 2536-2543.	9.5	9
13	Ultrascaled Contacts to Monolayer MoS ₂ Field Effect Transistors. <i>Nano Letters</i> , 2023, 23, 3426-3434.	9.5	13
14	A Graphene-Based Straintronic Physically Unclonable Function. <i>Nano Letters</i> , 2023, 23, 5171-5179.	9.5	8
15	Radiation Resilient Two-Dimensional Electronics. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 26946-26959.	8.3	5
16	Observation of Rich Defect Dynamics in Monolayer MoS ₂ . <i>ACS Nano</i> , 2023, 17, 14449-14460.	15.3	4
17	Step engineering for nucleation and domain orientation control in WSe ₂ epitaxy on c-plane sapphire. <i>Nature Nanotechnology</i> , 2023, 18, 1295-1302.	30.5	31
18	Dilute Rhenium Doping and its Impact on Defects in MoS ₂ . <i>ACS Nano</i> , 2023, 17, 15629-15640.	15.3	17

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19	A Peripheral-Free True Random Number Generator Based on Integrated Circuits Enabled by Atomically Thin Two-Dimensional Materials. ACS Nano, 2023, 17, 16817-16826.	15.3	2
20	A bio-inspired visuotactile neuron for multisensory integration. Nature Communications, 2023, 14, .	13.2	20
21	Ultra-scaled phototransistors based on monolayer MoS ₂ . Device (New York), 2023, 1, 100102.	0.0	3
22	Toward High-Performance p-Type Two-Dimensional Field Effect Transistors: Contact Engineering, Scaling, and Doping. ACS Nano, 2023, 17, 19709-19723.	15.3	11
23	An all 2D bio-inspired gustatory circuit for mimicking physiology and psychology of feeding behavior. Nature Communications, 2023, 14, .	13.2	5
24	â€œOnze jongens worden zelden modelburgersâ€™. Proces, 2023, 102, 275-290.	0.0	0
25	An Annealing Accelerator for Ising Spin Systems Based on Inâ€™Memory Complementary 2D FETs. Advanced Materials, 2022, 34, e2107076.	24.3	14
26	Energy Efficient Routing Approach for IoT Assisted Smart Devices in WSN. , 2022, , .		3
27	Unveiling the electrical and photo-physical properties of intrinsic n-type 2D WSe ₂ for high performance field-effect transistors. Journal of Applied Physics, 2022, 131, .	2.3	8
28	Sex differences in at-risk drinking and associated factorsâ€™a cross-sectional study of 8,616 community-dwelling adults 60 years and older: the TromsÃ, study, 2015-16. BMC Geriatrics, 2022, 22, 170.	2.8	4
29	Leaving defects out of 2D molybdenum disulfide. Nature Electronics, 2022, 5, 19-20.	18.9	7
30	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
31	All-in-one, bio-inspired, and low-power crypto engines for near-sensor security based on two-dimensional memtransistors. Nature Communications, 2022, 13, .	13.2	60
32	A Sparse and Spikeâ€™Timingâ€™Based Adaptive Photoencoder for Augmenting Machine Vision for Spiking Neural Networks. Advanced Materials, 2022, 34, .	24.3	34
33	Heterogeneous Integration of Atomically Thin Semiconductors for Nonâ€™von Neumann CMOS. Small, 2022, 18, .	11.2	29
34	Hardware implementation of Bayesian network based on two-dimensional memtransistors. Nature Communications, 2022, 13, .	13.2	31
35	Graphene and Beyond: Recent Advances in Two-Dimensional Materials Synthesis, Properties, and Devices. ACS Nanoscience Au, 2022, 2, 450-485.	4.8	55
36	Digital Keying Enabled by Reconfigurable 2D Modulators. Advanced Materials, 2022, 34, .	24.3	2

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37	Logic Locking of Integrated Circuits Enabled by Nanoscale MoS ₂ -Based Memtransistors. ACS Applied Nano Materials, 2022, 5, 14447-14455.	5.2	19
38	Two-dimensional materials-based probabilistic synapses and reconfigurable neurons for measuring inference uncertainty using Bayesian neural networks. Nature Communications, 2022, 13, .	13.2	25
39	Bioinspired and Low-Power 2D Machine Vision with Adaptive Machine Learning and Forgetting. ACS Nano, 2022, 16, 20010-20020.	15.3	24
40	An All-in-One Bioinspired Neural Network. ACS Nano, 2022, 16, 20100-20115.	15.3	15
41	Active pixel sensor matrix based on monolayer MoS ₂ phototransistor array. Nature Materials, 2022, 21, 1379-1387.	26.6	82
42	An Ultra-steep Slope Two-dimensional Strain Effect Transistor. Nano Letters, 2022, 22, 9252-9259.	9.5	6
43	Satisfiability Attack-Resistant Camouflaged Two-Dimensional Heterostructure Devices. ACS Nano, 2021, 15, 3453-3467.	15.3	26
44	Acquisition and analysis of scanning tunneling spectroscopy data of WSe ₂ monolayer. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.2	6
45	Benchmarking monolayer MoS ₂ and WS ₂ field-effect transistors. Nature Communications, 2021, 12, 693.	13.2	303
46	Review and comparison of layer transfer methods for two-dimensional materials for emerging applications. Chemical Society Reviews, 2021, 50, 11032-11054.	40.3	77
47	Medial Meniscus Posterior Root Tear Treatment: Response. American Journal of Sports Medicine, 2021, 49, NP7-NP8.	4.3	1
48	Mind your heart: the epigenetic consequences of heart failure on brain function. EMBO Molecular Medicine, 2021, 13, e13785.	7.3	0
49	Interface Transparency and Rashba Spin Torque Enhancement in WSe ₂ Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 13744-13750.	8.3	19
50	A biomimetic neural encoder for spiking neural network. Nature Communications, 2021, 12, 2143.	13.2	87
51	Graphene-based physically unclonable functions that are reconfigurable and resilient to machine learning attacks. Nature Electronics, 2021, 4, 364-374.	18.9	80
52	Controllable p-Type Doping of 2D WSe ₂ via Vanadium Substitution. Advanced Functional Materials, 2021, 31, 2105252.	16.5	51
53	Special issue on Carbon-based Electronics. Carbon, 2021, 182, 856.	10.7	1
54	Wafer-Scale Epitaxial Growth of Unidirectional WS ₂ Monolayers on Sapphire. ACS Nano, 2021, 15, 2532-2541.	15.3	174

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55	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
56	Demonstration of Stochastic Resonance, Population Coding, and Population Voting Using Artificial MoS ₂ Based Synapses. ACS Nano, 2021, 15, 16172-16182.	15.3	13
57	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
58	Transistors based on two-dimensional materials for future integrated circuits. Nature Electronics, 2021, 4, 786-799.	18.9	441
59	Secure Electronics Enabled by Atomically Thin and Photosensitive Two-Dimensional Memtransistors. ACS Nano, 2021, 15, 19815-19827.	15.3	52
60	Scalable BEOL compatible 2D tungsten diselenide. 2D Materials, 2020, 7, 015029.	4.5	45
61	Thickness Trends of Electron and Hole Conduction and Contact Carrier Injection in Surface Charge Transfer Doped 2D Field Effect Transistors. ACS Nano, 2020, 14, 13557-13568.	15.3	39
62	Polarization-induced Strain-coupled TMD FETs (PS FETs) for Non-Volatile Memory Applications. , 2020, , .		3
63	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
64	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. Advanced Science, 2020, 7, 2001174.	12.4	115
65	Spontaneous chemical functionalization via coordination of Au single atoms on monolayer MoS ₂ . Science Advances, 2020, 6, .	10.9	61
66	Modification of the Electronic Transport in Atomically Thin WSe ₂ by Oxidation. Advanced Materials Interfaces, 2020, 7, 2000422.	4.1	16
67	2-D Strain FET (2D-SFET) Based SRAMs—Part I: Device-Circuit Interactions. IEEE Transactions on Electron Devices, 2020, 67, 4866-4874.	3.2	5
68	Low-Power and Ultra-Thin MoS ₂ Photodetectors on Glass. ACS Nano, 2020, 14, 15440-15449.	15.3	58
69	Graphene memristive synapses for high precision neuromorphic computing. Nature Communications, 2020, 11, 5474.	13.2	113
70	Stochastic resonance in MoS ₂ photodetector. Nature Communications, 2020, 11, 4406.	13.2	82
71	A low-power biomimetic collision detector based on an in-memory molybdenum disulfide photodetector. Nature Electronics, 2020, 3, 646-655.	18.9	151
72	Scalable Substitutional Re-Doping and its Impact on the Optical and Electronic Properties of Tungsten Diselenide. Advanced Materials, 2020, 32, e2005159.	24.3	37

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73	Resilience framework and metrics for energy master planning of communities. <i>Energy</i> , 2020, 203, 117856.	9.0	40
74	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
75	Study on the Growth Parameters and the Electrical and Optical Behaviors of 2D Tungsten Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16576-16583.	8.3	14
76	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
77	Consensus Recommendations for the Use of Simulation in Therapeutic Patient Education. <i>Simulation in Healthcare</i> , 2020, 15, 30-38.	1.3	5
78	Digital holography for non-invasive quantitative imaging of two-dimensional materials. <i>Journal of Applied Physics</i> , 2020, 127, .	2.3	4
79	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13.6 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 124, 031802.	8.0	27
80	Photon-assisted heat engines in the THz regime. <i>Journal of Applied Physics</i> , 2020, 127, 024305.	2.3	0
81	A biomimetic 2D transistor for audiomorphic computing. <i>Nature Communications</i> , 2019, 10, 3450.	13.2	76
82	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
83	Mask-free patterning and selective CVD-growth of 2D-TMDCs semiconductors. <i>Semiconductor Science and Technology</i> , 2019, 34, 085010.	2.1	5
84	Gaussian synapses for probabilistic neural networks. <i>Nature Communications</i> , 2019, 10, 4199.	13.2	86
85	Extraordinary Radiation Hardness of Atomically Thin MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8391-8399.	8.3	37
86	Carbon doping of WS ₂ monolayers: Bandgap reduction and p-type doping transport. <i>Science Advances</i> , 2019, 5, eaav5003.	10.9	131
87	Amended Safety Assessment of Methylisothiazolinone as Used in Cosmetics. <i>International Journal of Toxicology</i> , 2019, 38, 70S-84S.	1.1	15
88	The Taurida Cave, a New Locality of Early Pleistocene Vertebrates in Crimea. <i>Doklady Biological Sciences</i> , 2019, 485, 40-43.	0.7	38
89	Biological physically unclonable function. <i>Communications Physics</i> , 2019, 2, .	5.3	51
90	Defect-Controlled Nucleation and Orientation of WSe ₂ on hBN: A Route to Single-Crystal Epitaxial Monolayers. <i>ACS Nano</i> , 2019, 13, 3341-3352.	15.3	113

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91	Seamless Fabrication and Threshold Engineering in Monolayer MoS ₂ Dual-Gated Transistors via Hydrogen Silsesquioxane. <i>Advanced Electronic Materials</i> , 2019, 5, 1800888.	5.4	13
92	Biological One-Way Functions for Secure Key Generation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800154.	2.9	11
93	Mobility Deception in Nanoscale Transistors: An Untold Contact Story. <i>Advanced Materials</i> , 2019, 31, e1806020.	24.3	52
94	A roadmap for electronic grade 2D materials. <i>2D Materials</i> , 2019, 6, 022001.	4.5	226
95	Electrochemical Polishing of Two-Dimensional Materials. <i>ACS Nano</i> , 2019, 13, 78-86.	15.3	36
96	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
97	Influência do tipo e espessura de sistemas CAD/CAM no grau de conversão de cimento resinoso dual. <i>Revista Dos Trabalhos De Iniciação Científica Da UNICAMP</i> , 2019, , .	0.0	0
98	Contact engineering for 2D materials and devices. <i>Chemical Society Reviews</i> , 2018, 47, 3037-3058.	40.3	610
99	Three-Dimensional Integrated X-ray Diffraction Imaging of a Native Strain in Multi-Layered WSe ₂ . <i>Nano Letters</i> , 2018, 18, 1993-2000.	9.5	10
100	Diffusion-Controlled Epitaxy of Large Area Coalesced WSe ₂ Monolayers on Sapphire. <i>Nano Letters</i> , 2018, 18, 1049-1056.	9.5	213
101	Quantum-Confined Electronic States Arising from the Moiré Pattern of MoS ₂ -WSe ₂ Heterobilayers. <i>Nano Letters</i> , 2018, 18, 1849-1855.	9.5	97
102	Superior Electro-Oxidation and Corrosion Resistance of Monolayer Transition Metal Disulfides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4285-4294.	8.3	27
103	The electrothermal conductance and heat capacity of black phosphorus. <i>Journal of Chemical Physics</i> , 2018, 148, 104701.	3.1	1
104	Large scale 2D/3D hybrids based on gallium nitride and transition metal dichalcogenides. <i>Nanoscale</i> , 2018, 10, 336-341.	5.8	41
105	Cortiva Versus AlloDerm Ready-to-use in Prepectoral and Submuscular Breast Reconstruction: Prospective Randomized Clinical Trial Study Design and Early Findings. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e2013.	0.6	10
106	Low-temperature metalorganic chemical vapor deposition of molybdenum disulfide on multicomponent glass substrates. <i>FlatChem</i> , 2018, 11, 32-37.	5.8	13
107	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
108	2- Transistor Schmitt Trigger based on 2D Electrostrictive Field Effect Transistors. , 2018, , .		3

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109	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
110	2D Materials for Ubiquitous Electronics. , 2018, , .		4
111	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
112	Morbus Fabry-Beteiligung des rechten Ventrikels – Neue Einsichten durch MR-basierte myokardiale Strain-Analyse. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, .	0.3	0
113	Mimicking Neurotransmitter Release in Chemical Synapses <i>via</i> Hysteresis Engineering in MoS ₂ Transistors. ACS Nano, 2017, 11, 3110-3118.	15.3	228
114	The Prospect of Two-Dimensional Heterostructures: A Review of Recent Breakthroughs. IEEE Nanotechnology Magazine, 2017, 11, 6-17.	1.4	28
115	Anomalous Corrosion of Bulk Transition Metal Diselenides Leading to Stable Monolayers. ACS Applied Materials & Interfaces, 2017, 9, 39059-39068.	8.3	11
116	Stability of the tungsten diselenide and silicon carbide heterostructure against high energy proton exposure. Applied Physics Letters, 2017, 111, .	3.2	5
117	Facile Electrochemical Synthesis of 2D Monolayers for High-Performance Thin-Film Transistors. ACS Applied Materials & Interfaces, 2017, 9, 44617-44624.	8.3	22
118	2D-EFET – A novel beyond Boltzmann transistor. , 2017, , .		3
119	Isolation and Characterization of Intrinsically Active (MEK-Independent) Mutants of Mpk1/Erk. Methods in Molecular Biology, 2017, 1487, 65-88.	0.0	3
120	A Self-Limiting Electro-Ablation Technique for the Top-Down Synthesis of Large-Area Monolayer Flakes of 2D Materials. Scientific Reports, 2016, 6, 28195.	3.4	25
121	Two Dimensional Electrostrictive Field Effect Transistor (2D-EFET): A sub-60mV/decade Steep Slope Device with High ON current. Scientific Reports, 2016, 6, 34811.	3.4	53
122	Taming contact line instability for pattern formation. Nature Communications, 2016, 7, 12458.	13.2	23
123	60-1:<i>Invited Paper</i>: The Emerging Era of 2D Materials. Digest of Technical Papers SID International Symposium, 2016, 47, 813-815.	0.3	0
124	Low-frequency noise in MoSe ₂ field effect transistors. Applied Physics Letters, 2015, 106, .	3.2	47
125	Cushing Disease. Contemporary Neurosurgery, 2015, 37, 1-6.	0.1	1
126	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

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127	Nb-doped single crystalline MoS ₂ field effect transistor. Applied Physics Letters, 2015, 106, .	3.2	84
128	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
129	Recent Advances in Two-Dimensional Materials beyond Graphene. ACS Nano, 2015, 9, 11509-11539.	15.3	2,183
130	NA PANCADA DO GANZÃ•E A RACIONALIZAÃƒ•O DA MÃŠSICA OCIDENTAL. Brasiliana: Journal for Brazilian Studies, 2015, 4, 7-32.	0.1	1
131	Periodontal Disease and Risk of Non Hodgkin Lymphoma (NHL) in the Health Professionals Follow-up Study (HPFS). Blood, 2015, 126, 5024-5024.	1.4	0
132	All Two-Dimensional, Flexible, Transparent, and Thinnest Thin Film Transistor. Nano Letters, 2014, 14, 2861-2866.	9.5	335
133	Toward Low-Power Electronics: Tunneling Phenomena in Transition Metal Dichalcogenides. ACS Nano, 2014, 8, 1681-1689.	15.3	165
134	Ionic gated WSe ₂ FETs: Towards transparent Schottky barriers. , 2014, , .		5
135	Ambipolar Phosphorene Field Effect Transistor. ACS Nano, 2014, 8, 11730-11738.	15.3	362
136	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
137	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
138	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
139	Tunable Transport Gap in Phosphorene. Nano Letters, 2014, 14, 5733-5739.	9.5	681
140	Evaluating the scalability of multilayer MoS ₂ transistors. , 2013, , .		11
141	WSe ₂ field effect transistors with enhanced ambipolar characteristics. Applied Physics Letters, 2013, 103, .	3.2	350
142	Where Does the Current Flow in Two-Dimensional Layered Systems?. Nano Letters, 2013, 13, 3396-3402.	9.5	231
143	Detection and generation of submillimeter and terahertz modes in ferromagnet-antiferromagnet junctions. JETP Letters, 2013, 98, 96-100.	1.5	6
144	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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145	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
146	On the scaling behavior of organic ferroelectric copolymer PVDF-TrFE for memory application. <i>Organic Electronics</i> , 2012, 13, 3326-3332.	2.8	15
147	Toxic erythema of chemotherapy. <i>American Journal of Hematology</i> , 2012, 87, 923-923.	4.3	4
148	Broken-Gap Tunnel MOSFET: A Constant-Slope Sub-60-mV/decade Transistor. <i>IEEE Electron Device Letters</i> , 2011, 32, 1367-1369.	4.2	36
149	On the Importance of Bandgap Formation in Graphene for Analog Device Applications. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1093-1098.	2.2	20
150	FETRAM. An Organic Ferroelectric Material Based Novel Random Access Memory Cell. <i>Nano Letters</i> , 2011, 11, 4003-4007.	9.5	89
151	Simultaneous measurement of density and viscosity in gases with a quartz tuning fork resonator by tracking of the series resonance frequency. <i>Procedia Engineering</i> , 2011, 25, 1297-1300.	1.2	14
152	An all-graphene radio frequency low noise amplifier. , 2011, , .		7
153	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
154	DEWATERING OF ELECTROPLATING SLUDGE USING DIMETHYL ETHER. <i>Doboku Gakkai Ronbunshuu G</i> , 2010, 66, 96-102.	0.1	5
155	Exogenous dibutyl cAMP affects meiotic maturation via protein kinase A activation; it stimulates further embryonic development including blastocyst quality in pigs. <i>Theriogenology</i> , 2008, 69, 290-301.	2.2	35
156	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
157	Depression and health-related quality of life in elderly patients suffering from heart failure and their spouses: a comparative study. <i>European Journal of Heart Failure</i> , 2005, 7, 583-589.	7.5	79
158	Bimodal Energy Relaxation in Quasi-One-Dimensional Compounds with a Commensurate Modulated Ground State. <i>Physical Review Letters</i> , 2005, 94, .	8.0	6
159	ASEM and the future of Asia-Europe relations: Background, characteristics and challenges. <i>Asia Europe Journal</i> , 2004, 2, 341-354.	1.1	5
160	Head and neck vascular malformations: time-resolved MR projection angiography. <i>Neuroradiology</i> , 2003, 45, 681-686.	2.3	25
161	Blockade of the MAP kinase pathway suppresses growth of colon tumors in vivo. <i>Nature Medicine</i> , 1999, 5, 810-816.	30.1	932
162	Phosphopeptides from Grana Padano cheese: nature, origin and changes during ripening. <i>Journal of Dairy Research</i> , 1997, 64, 601-615.	1.5	63

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163	Stress management for pregnant adolescents and adolescent mothers: A pilot study. <i>Child and Adolescent Social Work Journal</i> , 1990, 7, 53-67.	1.4	10
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