

# Yang Chai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6674996/publications.pdf>

Version: 2024-02-01

279  
papers

19,319  
citations

9254

74  
h-index

14736

127  
g-index

292  
all docs

292  
docs citations

292  
times ranked

21693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inâ€Sensor Computing: Materials, Devices, and Integration Technologies. <i>Advanced Materials</i> , 2023, 35, .	11.1	63
2	Largeâ€Area Transient Conductive Films Obtained through Photonic Sintering of 2D Materials. <i>Advanced Materials Technologies</i> , 2022, 7, 2100439.	3.0	3
3	An artificial neural network chip based on two-dimensional semiconductor. <i>Science Bulletin</i> , 2022, 67, 270-277.	4.3	20
4	Defectâ€Assisted Anchoring of Pt Single Atoms on MoS <sub>2</sub> Nanosheets Produces Highâ€Performance Catalyst for Industrial Hydrogen Evolution Reaction. <i>Small</i> , 2022, 18, e2104824.	5.2	36
5	Embryonic requirements for <i>Tcf12</i> in the development of the mouse coronal suture. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	8
6	Nitrogen-induced interfacial electronic structure of NiS <sub>2</sub> /CoS <sub>2</sub> with optimized water and hydrogen binding abilities for efficient alkaline hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2022, 10, 719-725.	5.2	33
7	A Reconfigurable Twoâ€WSe <sub>2</sub> â€Transistor Synaptic Cell for Reinforcement Learning. <i>Advanced Materials</i> , 2022, 34, e2107754.	11.1	48
8	Bioinspired in-sensor visual adaptation for accurate perception. <i>Nature Electronics</i> , 2022, 5, 84-91.	13.1	204
9	Largeâ€Area Transient Conductive Films Obtained through Photonic Sintering of 2D Materials (Adv.) Tj ETQq1 1 0.784314 rgBT /Over	3.0	80
10	KDM6B interacts with TFDP1 to activate P53 signaling in regulating mouse palatogenesis. <i>ELife</i> , 2022, 11, .	2.8	10
11	Alloy-buffer-controlled van der Waals epitaxial growth of aligned tellurene. <i>Nano Research</i> , 2022, 15, 5712-5718.	5.8	4
12	Governing Interlayer Strain in Bismuth Nanocrystals for Efficient Ammonia Electrosynthesis from Nitrate Reduction. <i>ACS Nano</i> , 2022, 16, 4795-4804.	7.3	76
13	Neuromorphic sensory computing. <i>Science China Information Sciences</i> , 2022, 65, 1.	2.7	33
14	Reconfigurable Synaptic and Neuronal Functions in a V/VO <sub>x</sub> /HfWO <sub>x</sub> /Pt Memristor for Nonpolar Spiking Convolutional Neural Network. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	25
15	Scalable production of ultrafine polyaniline fibres for tactile organic electrochemical transistors. <i>Nature Communications</i> , 2022, 13, 2101.	5.8	43
16	Bandgap Engineering of Ternary In <sub>2</sub> S <sub>3</sub> and In <sub>2</sub> Te <sub>3</sub> Single Crystals for Highâ€Performance Electronics and Optoelectronics. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
17	The clinical manifestations, molecular mechanisms and treatment of craniosynostosis. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	20
18	Spin state engineering of spinel oxides by integration of Cr doping and a pâ€n junction for water oxidation. <i>Chemical Communications</i> , 2022, 58, 6642-6645.	2.2	15

#	ARTICLE	IF	CITATIONS
19	In-sensor Computing Devices for Bio-inspired Vision Sensors. , 2022, , .		0
20	Two-dimensional Tellurene Transistors with Low Contact Resistance and Self-aligned Catalytic Thinning Process. Advanced Electronic Materials, 2022, 8, .	2.6	5
21	Molecule bridged graphene/Ag for highly conductive ink. Science China Materials, 2022, 65, 2771-2778.	3.5	5
22	Topological phase change transistors based on tellurium Weyl semiconductor. Science Advances, 2022, 8, .	4.7	17
23	Single-cell transcriptomic signatures and gene regulatory networks modulated by WIs in mammalian midline facial formation and clefts. Development (Cambridge), 2022, 149, .	1.2	6
24	Ror2-mediated non-canonical Wnt signaling regulates Cdc42 and cell proliferation during tooth root development. Development (Cambridge), 2021, 148, .	1.2	12
25	Limpet Tooth-inspired Painless Microneedles Fabricated by Magnetic Field-assisted 3D Printing. Advanced Functional Materials, 2021, 31, 2003725.	7.8	54
26	Low-power Computing with Neuromorphic Engineering. Advanced Intelligent Systems, 2021, 3, 2000150.	3.3	27
27	Piezocatalytic Foam for Highly Efficient Degradation of Aqueous Organics. Small Science, 2021, 1, 2000011.	5.8	32
28	Crypto primitive of MOCVD MoS2 transistors for highly secured physical unclonable functions. Nano Research, 2021, 14, 1784-1788.	5.8	19
29	Painless Microneedles: Limpet Tooth-inspired Painless Microneedles Fabricated by Magnetic Field-assisted 3D Printing (Adv. Funct. Mater. 5/2021). Advanced Functional Materials, 2021, 31, 2170033.	7.8	1
30	Self-reconstruction mediates isolated Pt tailored nanoframes for highly efficient catalysis. Journal of Materials Chemistry A, 2021, 9, 22501-22508.	5.2	5
31	Neuromorphic vision sensors: Principle, progress and perspectives. Journal of Semiconductors, 2021, 42, 013105.	2.0	70
32	Lattice oxygen redox chemistry in solid-state electrocatalysts for water oxidation. Energy and Environmental Science, 2021, 14, 4647-4671.	15.6	190
33	Runx2-Twist1 interaction coordinates cranial neural crest guidance of soft palate myogenesis. ELife, 2021, 10, .	2.8	23
34	Large ferroelectric-polarization-modulated photovoltaic effects in bismuth layered multiferroic/semiconductor heterostructure devices. Journal of Materials Chemistry C, 2021, 9, 3287-3294.	2.7	14
35	Cranial Suture Regeneration Mitigates Skull and Neurocognitive Defects in Craniosynostosis. Cell, 2021, 184, 243-256.e18.	13.5	88
36	Recent Advances in GaN-based Power HEMT Devices. Advanced Electronic Materials, 2021, 7, 2001045.	2.6	86

#	ARTICLE	IF	CITATIONS
37	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.	13.3	407
38	Lhx6 regulates canonical Wnt signaling to control the fate of mesenchymal progenitor cells during mouse molar root patterning. <i>PLoS Genetics</i> , 2021, 17, e1009320.	1.5	11
39	Mesenchymal Stem Cells and Three-Dimensional-Osteoconductive Scaffold Regenerate Calvarial Bone in Critical Size Defects in Swine. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1170-1183.	1.6	15
40	Spatially Confined Formation of Single Atoms in Highly Porous Carbon Nitride Nanoreactors. <i>ACS Nano</i> , 2021, 15, 7790-7798.	7.3	33
41	Giant Ferroelectric Resistance Switching Controlled by a Modulatory Terminal for Low-Power Neuromorphic In-Memory Computing. <i>Advanced Materials</i> , 2021, 33, e2008709.	11.1	63
42	Arid1a-Plagl1-Hh signaling is indispensable for differentiation-associated cell cycle arrest of tooth root progenitors. <i>Cell Reports</i> , 2021, 35, 108964.	2.9	6
43	Arid1a regulates cell cycle exit of transit-amplifying cells by inhibiting the Aurka-Cdk1 axis in mouse incisor. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
44	Thermal interface material with graphene enhanced sintered copper for high temperature power electronics. <i>Nanotechnology</i> , 2021, 32, 315710.	1.3	9
45	Ferroelectric Switching: Giant Ferroelectric Resistance Switching Controlled by a Modulatory Terminal for Low-Power Neuromorphic In-Memory Computing (Adv. Mater. 21/2021). <i>Advanced Materials</i> , 2021, 33, 2170167.	11.1	1
46	Metal Substitution Steering Electron Correlations in Pyrochlore Ruthenates for Efficient Acidic Water Oxidation. <i>ACS Nano</i> , 2021, 15, 8537-8548.	7.3	54
47	Field-effect at electrical contacts to two-dimensional materials. <i>Nano Research</i> , 2021, 14, 4894-4900.	5.8	11
48	Reversing neural circuit and behavior deficit in mice exposed to maternal inflammation by Zika Virus. <i>EMBO Reports</i> , 2021, 22, e51978.	2.0	3
49	Field-Effect Chiral Anomaly Devices with Dirac Semimetal. <i>Advanced Functional Materials</i> , 2021, 31, 2104192.	7.8	13
50	Light-Emitting Memristors for Optoelectronic Artificial Efferent Nerve. <i>Nano Letters</i> , 2021, 21, 6087-6094.	4.5	42
51	Optoelectronic Coincidence Detection with Two-Dimensional Bi <sub>2</sub> O <sub>2</sub> Se Ferroelectric Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2021, 31, 2103982.	7.8	28
52	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. <i>Nano Letters</i> , 2021, 21, 8043-8050.	4.5	12
53	Van der Waals heterostructures with one-dimensional atomic crystals. <i>Progress in Materials Science</i> , 2021, 122, 100856.	16.0	29
54	Reciprocal interaction between mesenchymal stem cells and transit amplifying cells regulates tissue homeostasis. <i>ELife</i> , 2021, 10, .	2.8	14

#	ARTICLE	IF	CITATIONS
55	Design and applications of graphene-based flexible and wearable physical sensing devices. 2D Materials, 2021, 8, 022001.	2.0	16
56	Transferred metal gate to 2D semiconductors for sub-1 V operation and near ideal subthreshold slope. Science Advances, 2021, 7, eabf8744.	4.7	37
57	Standards for the Characterization of Endurance in Resistive Switching Devices. ACS Nano, 2021, 15, 17214-17231.	7.3	128
58	Pyroelectric effect mediated infrared photoresponse in $\text{Bi}_2\text{Te}_3/\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – $\text{PbTiO}_3$ optothermal ferroelectric field-effect transistors. Nanoscale, 2021, 13, 20657-20662.	3.8	6
59	Strain engineering of quasi-1D layered $\text{TiS}_3$ nanosheets toward giant anisotropic Raman and piezoresistance responses. Applied Physics Letters, 2021, 119, .	1.5	9
60	Colossal Magnetoresistance in Ti Lightly Doped $\text{Cr}_2\text{Se}_3$ Single Crystals with a Layered Structure. ACS Applied Materials & Interfaces, 2021, 13, 58949-58955.	4.0	7
61	Smart Textile–Integrated Microelectronic Systems for Wearable Applications. Advanced Materials, 2020, 32, e1901958.	11.1	427
62	Antimicrobial Bioresorbable $\text{Mg}$ – $\text{Zn}$ – $\text{Ca}$ Alloy for Bone Repair in a Comparison Study with $\text{Mg}$ – $\text{Zn}$ – $\text{Sr}$ Alloy and Pure Mg. ACS Biomaterials Science and Engineering, 2020, 6, 517-538.	2.6	31
63	High-Performance Logic and Memory Devices Based on a Dual-Gated $\text{MoS}_2$ Architecture. ACS Applied Electronic Materials, 2020, 2, 111-119.	2.0	26
64	3D printing of hydroxyapatite/tricalcium phosphate scaffold with hierarchical porous structure for bone regeneration. Bio-Design and Manufacturing, 2020, 3, 15-29.	3.9	96
65	FaceBase 3: analytical tools and FAIR resources for craniofacial and dental research. Development (Cambridge), 2020, 147, .	1.2	25
66	Two-Dimensional Antiferroelectricity in Nanostripe-Ordered $\ln_2\text{Mn}_2\text{O}_7$ . Physical Review Letters, 2020, 125, 047601.	2.9	58
67	A Ternary Dumbbell Structure with Spatially Separated Catalytic Sites for Photocatalytic Overall Water Splitting. Advanced Science, 2020, 7, 1903568.	5.6	104
68	Near-sensor and in-sensor computing. Nature Electronics, 2020, 3, 664-671.	13.1	385
69	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	7.3	43
70	Lattice oxygen activation enabled by high-valence metal sites for enhanced water oxidation. Nature Communications, 2020, 11, 4066.	5.8	337
71	Emerging Group-VI Elemental 2D Materials: Preparations, Properties, and Device Applications. Small, 2020, 16, e2003319.	5.2	38
72	Runx2+ Niche Cells Maintain Incisor Mesenchymal Tissue Homeostasis through IGF Signaling. Cell Reports, 2020, 32, 108007.	2.9	33

#	ARTICLE	IF	CITATIONS
73	Rational design of Al <sub>2</sub> O <sub>3</sub> /2D perovskite heterostructure dielectric for high performance MoS <sub>2</sub> phototransistors. <i>Nature Communications</i> , 2020, 11, 4266.	5.8	59
74	Nano High-Entropy Materials: Synthesis Strategies and Catalytic Applications. <i>Small Structures</i> , 2020, 1, 2000033.	6.9	80
75	Low-Power Complementary Inverter with Negative Capacitance 2D Semiconductor Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 2003859.	7.8	58
76	Surface-Modified Ultrathin InSe Nanosheets with Enhanced Stability and Photoluminescence for High-Performance Optoelectronics. <i>ACS Nano</i> , 2020, 14, 11373-11382.	7.3	34
77	Spatiotemporal cellular movement and fate decisions during first pharyngeal arch morphogenesis. <i>Science Advances</i> , 2020, 6, .	4.7	28
78	Van der Waals Epitaxial Growth of Mosaic-Like 2D Platinum Ditelluride Layers for Room-Temperature Mid-Infrared Photodetection up to 10.6 Åm. <i>Advanced Materials</i> , 2020, 32, e2004412.	11.1	202
79	Tunable Magnetoresistance and Charge Carrier Density in CrO <sub>3</sub> . <i>Physical Review Applied</i> , 2020, 13, .		
80	Runx2 Regulates Mouse Tooth Root Development Via Activation of WNT Inhibitor NOTUM. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2252-2264.	3.1	43
81	Breaking symmetry in device design for self-driven 2D material based photodetectors. <i>Nanoscale</i> , 2020, 12, 8109-8118.	2.8	29
82	Gli1+ Periodontium Stem Cells Are Regulated by Osteocytes and Occlusal Force. <i>Developmental Cell</i> , 2020, 54, 639-654.e6.	3.1	85
83	PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. <i>Cell Reports</i> , 2020, 31, 107739.	2.9	37
84	Localized Electrons Enhanced Ion Transport for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1905578.	11.1	39
85	Cerebral organoid and mouse models reveal a RAB39b-PI3K-mTOR pathway-dependent dysregulation of cortical development leading to macrocephaly/autism phenotypes. <i>Genes and Development</i> , 2020, 34, 580-597.	2.7	105
86	A dual mode electronic synapse based on layered SnSe films fabricated by pulsed laser deposition. <i>Nanoscale Advances</i> , 2020, 2, 1152-1160.	2.2	8
87	Optoelectronic Perovskite Synapses for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2020, 30, 1908901.	7.8	142
88	Raman Spectroscopy of Dispersive Two-Dimensional Materials: A Systematic Study on MoS <sub>2</sub> Solution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11092-11099.	1.5	8
89	Enhanced Electrocatalytic Hydrogen Evolution Activity in Single-Atom Pt-Decorated VS <sub>2</sub> Nanosheets. <i>ACS Nano</i> , 2020, 14, 5600-5608.	7.3	135
90	Computational Design of Transition Metal Single-Atom Electrocatalysts on PtS <sub>2</sub> for Efficient Nitrogen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20448-20455.	4.0	58

#	ARTICLE	IF	CITATIONS
91	Mid-Infrared Photodetectors: Van der Waals Epitaxial Growth of Mosaic-Like 2D Platinum Ditelluride Layers for Room-Temperature Mid-Infrared Photodetection up to 10.6 $\mu\text{m}$ (Adv. Mater. 52/2020). Advanced Materials, 2020, 32, 2070394.	11.1	6
92	Quasi one-dimensional van der Waals gold selenide with strong interchain interaction and giant magnetoresistance. Science Bulletin, 2020, 65, 1451-1459.	4.3	7
93	In-sensor computing for machine vision. Nature, 2020, 579, 32-33.	13.7	138
94	Nonvolatile manipulation of electronic and ferromagnetic properties of NiO $\text{\AA}$ -Ni epitaxial film by ferroelectric polarization charge. Applied Physics Letters, 2020, 117, 232901.	1.5	5
95	Magnetotransport and magnetic properties of the layered noncollinear antiferromagnetic Cr <sub>2</sub> Se <sub>3</sub> single crystals. Journal of Physics Condensed Matter, 2020, 32, 475801.	0.7	11
96	Two ultra-stable novel allotropes of tellurium few-layers*. Chinese Physics B, 2020, 29, 097103.	0.7	5
97	Remarkably Enhanced Hydrogen Generation of Organolead Halide Perovskites via Piezocatalysis and Photocatalysis. Advanced Energy Materials, 2019, 9, 1901801.	10.2	134
98	Nonvolatile Control of the Electronic Properties of In <sub>2</sub> xCr <sub>x</sub> O <sub>3</sub> Semiconductor Films by Ferroelectric Polarization Charge. ACS Applied Materials & Interfaces, 2019, 11, 32449-32459.	4.0	6
99	Optoelectronic resistive random access memory for neuromorphic vision sensors. Nature Nanotechnology, 2019, 14, 776-782.	15.6	783
100	Phosphorus Incorporation into Co <sub>9</sub> S <sub>8</sub> Nanocages for Highly Efficient Oxygen Evolution Catalysis. Small, 2019, 15, e1904507.	5.2	75
101	Dynamic activation of Wnt, Fgf, and Hh signaling during soft palate development. PLoS ONE, 2019, 14, e0223879.	1.1	9
102	Stretchable elastic synaptic transistors for neurologically integrated soft engineering systems. Science Advances, 2019, 5, eaax4961.	4.7	191
103	Robust Photoelectrochemical Oxygen Evolution with N, Fe $\text{\AA}$ -Co <sub>2</sub> Nanorod Arrays. ACS Applied Materials & Interfaces, 2019, 11, 44214-44222.	4.0	21
104	Valence Engineering <i>via</i> Dual-Cation and Boron Doping in Pyrite Selenide for Highly Efficient Oxygen Evolution. ACS Nano, 2019, 13, 11469-11476.	7.3	68
105	CeO <sub>2</sub> -Induced Interfacial Co <sup>2+</sup> Octahedral Sites and Oxygen Vacancies for Water Oxidation. ACS Catalysis, 2019, 9, 6484-6490.	5.5	278
106	Ultralow-voltage all-carbon low-dimensional-material flexible transistors integrated by room-temperature photolithography incorporated filtration. Nanoscale, 2019, 11, 15029-15036.	2.8	16
107	Interstitial copper $\text{\AA}$ -doped edge contact for $n$ -type carrier transport in black phosphorus. Informa $\text{\AA}$ -Materi $\text{\AA}$ ly, 2019, 1, 242-250.	8.5	18
108	Deciphering mechanical properties of 2D materials from the size distribution of exfoliated fragments. Extreme Mechanics Letters, 2019, 29, 100473.	2.0	11

#	ARTICLE	IF	CITATIONS
109	Phase Identification and Strong Second Harmonic Generation in Pure $\mu$ -InSe and Its Alloys. <i>Nano Letters</i> , 2019, 19, 2634-2640.	4.5	86
110	Regulatory mechanisms of jaw bone and tooth development. <i>Current Topics in Developmental Biology</i> , 2019, 133, 91-118.	1.0	50
111	Monolithic Integration of All-in-One Supercapacitor for 3D Electronics. <i>Advanced Energy Materials</i> , 2019, 9, 1900037.	10.2	51
112	Highly Area-Efficient Low-Power SRAM Cell with 2 Transistors and 2 Resistors. , 2019, , .		6
113	Photodetectors: Controlled Synthesis of 2D Palladium Diselenide for Sensitive Photodetector Applications ( <i>Adv. Funct. Mater.</i> 1/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970005.	7.8	13
114	Accelerated oxygen evolution kinetics on nickel-iron diselenide nanotubes by modulating electronic structure. <i>Materials Today Energy</i> , 2019, 11, 89-96.	2.5	42
115	Controlled Synthesis of 2D Palladium Diselenide for Sensitive Photodetector Applications. <i>Advanced Functional Materials</i> , 2019, 29, 1806878.	7.8	286
116	Hierarchical supercapacitor electrodes based on metallized glass fiber for ultrahigh areal capacitance. <i>Energy Storage Materials</i> , 2019, 20, 315-323.	9.5	18
117	The TFAP2A-IRF6-GRHL3 genetic pathway is conserved in neurulation. <i>Human Molecular Genetics</i> , 2019, 28, 1726-1737.	1.4	30
118	2D Materials Based Optoelectronic Memory: Convergence of Electronic Memory and Optical Sensor. <i>Research</i> , 2019, 2019, 9490413.	2.8	85
119	Antagonistic interaction between Ezh2 and Arid1a coordinates root patterning and development via Cdkn2a in mouse molars. <i>ELife</i> , 2019, 8, .	2.8	16
120	Fabrication of Nickel-Cobalt Bimetal Phosphide Nanocages for Enhanced Oxygen Evolution Catalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1706008.	7.8	370
121	Scaling the CBRAM Switching Layer Diameter to 30 nm Improves Cycling Endurance. <i>IEEE Electron Device Letters</i> , 2018, 39, 23-26.	2.2	24
122	Fast, Self-Driven, Air-Stable, and Broadband Photodetector Based on Vertically Aligned PtSe <sub>2</sub> /GaAs Heterojunction. <i>Advanced Functional Materials</i> , 2018, 28, 1705970.	7.8	314
123	Low-Voltage, Optoelectronic CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Cl Memory with Integrated Sensing and Logic Operations. <i>Advanced Functional Materials</i> , 2018, 28, 1800080.	7.8	190
124	In situ atomic-scale observation of monolayer graphene growth from SiC. <i>Nano Research</i> , 2018, 11, 2809-2820.	5.8	21
125	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. <i>Science Bulletin</i> , 2018, 63, 159-168.	4.3	207
126	Prmt1 regulates craniofacial bone formation upstream of Msx1. <i>Mechanisms of Development</i> , 2018, 152, 13-20.	1.7	9



#	ARTICLE	IF	CITATIONS
127	Modulation of the Reduction Potential of TiO <sub>2</sub> by Fluorination for Efficient and Selective CH <sub>4</sub> Generation from CO <sub>2</sub> Photoreduction. Nano Letters, 2018, 18, 3384-3390.	4.5	166
128	High photoelectrochemical activity and stability of Au-WS <sub>2</sub> /silicon heterojunction photocathode. Solar Energy Materials and Solar Cells, 2018, 174, 300-306.	3.0	16
129	Edge orientations of mechanically exfoliated anisotropic two-dimensional materials. Journal of the Mechanics and Physics of Solids, 2018, 112, 157-168.	2.3	22
130	Focus on 2D materials beyond graphene. Nanotechnology, 2018, 29, 010202.	1.3	5
131	Atomic Vacancies Control of Pd-Based Catalysts for Enhanced Electrochemical Performance. Advanced Materials, 2018, 30, 1704171.	11.1	102
132	Toward High-mobility and Low-power 2D MoS <sub>2</sub> Field-effect Transistors. , 2018, , .		9
133	Steep Slope p-type 2D WSe <sub>2</sub> Field-Effect Transistors with Van Der Waals Contact and Negative Capacitance. , 2018, , .		16
134	Active site engineering of Fe- and Ni-sites for highly efficient electrochemical overall water splitting. Journal of Materials Chemistry A, 2018, 6, 21445-21451.	5.2	68
135	Charge-governed phase manipulation of few-layer tellurium. Nanoscale, 2018, 10, 22263-22269.	2.8	28
136	Discovering the forbidden Raman modes at the edges of layered materials. Science Advances, 2018, 4, eaau6252.	4.7	33
137	Self-Driven Metal-Semiconductor-Metal WSe <sub>2</sub> Photodetector with Asymmetric Contact Geometries. Advanced Functional Materials, 2018, 28, 1802954.	7.8	131
138	BMP-IHH-mediated interplay between mesenchymal stem cells and osteoclasts supports calvarial bone homeostasis and repair. Bone Research, 2018, 6, 30.	5.4	45
139	Enhanced output power of a freestanding ball-based triboelectric generator through the electrophorus effect. Journal of Materials Chemistry A, 2018, 6, 18518-18524.	5.2	5
140	Constitutive activation of hedgehog signaling adversely affects epithelial cell fate during palatal fusion. Developmental Biology, 2018, 441, 191-203.	0.9	12
141	Improved air-stability of an organic-inorganic perovskite with anhydrously transferred graphene. Journal of Materials Chemistry C, 2018, 6, 8663-8669.	2.7	9
142	Photodetectors: Fast, Self-Driven, Air-Stable, and Broadband Photodetector Based on Vertically Aligned PtSe <sub>2</sub> /GaAs Heterojunction (Adv. Funct. Mater. 16/2018). Advanced Functional Materials, 2018, 28, 1870106.	7.8	5
143	Regulation of Mesenchymal Stem to Transit-Amplifying Cell Transition in the Continuously Growing Mouse Incisor. Cell Reports, 2018, 23, 3102-3111.	2.9	28
144	Intraflagellar transport 88 (IFT88) is crucial for craniofacial development in mice and is a candidate gene for human cleft lip and palate. Human Molecular Genetics, 2017, 26, ddx002.	1.4	41

#	ARTICLE	IF	CITATIONS
145	Cellular and molecular mechanisms of tooth root development. <i>Development (Cambridge)</i> , 2017, 144, 374-384.	1.2	169
146	Textured CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> thin film with enhanced stability for high performance perovskite solar cells. <i>Nano Energy</i> , 2017, 33, 485-496.	8.2	74
147	Graphene-Draped Semiconductors for Enhanced Photocorrosion Resistance and Photocatalytic Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 4144-4151.	6.6	149
148	Review on mechanism of directly fabricating wafer-scale graphene on dielectric substrates by chemical vapor deposition. <i>Nanotechnology</i> , 2017, 28, 284001.	1.3	16
149	Few-layered PtS <sub>2</sub> Phototransistor on hBN with High Gain. <i>Advanced Functional Materials</i> , 2017, 27, 1701011.	7.8	176
150	Advances in Two-Dimensional Layered Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1701403.	7.8	11
151	Phase and Facet Control of Molybdenum Carbide Nanosheet Observed by In Situ TEM. <i>Small</i> , 2017, 13, 1700051.	5.2	41
152	Modulation doping of transition metal dichalcogenide/oxide heterostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 376-381.	2.7	51
153	Topical Fibronectin Improves Wound Healing of Irradiated Skin. <i>Scientific Reports</i> , 2017, 7, 3876.	1.6	33
154	BMP signaling orchestrates a transcriptional network to control the fate of mesenchymal stem cells in mice. <i>Development (Cambridge)</i> , 2017, 144, 2560-2569.	1.2	57
155	Investigation of chemical vapour deposition MoS <sub>2</sub> field effect transistors on SiO <sub>2</sub> and ZrO <sub>2</sub> substrates. <i>Nanotechnology</i> , 2017, 28, 164004.	1.3	19
156	Real-Time Observation of the Electrode-Size-Dependent Evolution Dynamics of the Conducting Filaments in a SiO <sub>2</sub> Layer. <i>ACS Nano</i> , 2017, 11, 4097-4104.	7.3	79
157	Doping, Contact and Interface Engineering of Two-Dimensional Layered Transition Metal Dichalcogenides Transistors. <i>Advanced Functional Materials</i> , 2017, 27, 1603484.	7.8	191
158	Synthesis and interface characterization of CNTs on graphene. <i>Nanotechnology</i> , 2017, 28, 054007.	1.3	12
159	Ferroelectric-Gated Two-Dimensional-Material-Based Electron Devices. <i>Advanced Electronic Materials</i> , 2017, 3, 1600400.	2.6	68
160	Doping of two-dimensional MoS <sub>2</sub> by high energy ion implantation. <i>Semiconductor Science and Technology</i> , 2017, 32, 124002.	1.0	26
161	Dlx5-FGF10 signaling cascade controls cranial neural crest and myoblast interaction during oropharyngeal patterning and development. <i>Development (Cambridge)</i> , 2017, 144, 4037-4045.	1.2	33
162	In-situ Observation of Cu Filaments Evolution in SiO <sub>2</sub> layer. <i>Microscopy and Microanalysis</i> , 2017, 23, 1622-1623.	0.2	0

#	ARTICLE	IF	CITATIONS
163	Ultra-high mobility and efficient charge injection in monolayer organic thin-film transistors on boron nitride. <i>Science Advances</i> , 2017, 3, e1701186.	4.7	146
164	Improved interfacial H <sub>2</sub> O supply by surface hydroxyl groups for enhanced alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24091-24097.	5.2	47
165	Enhanced Photocatalytic Activity of WS <sub>2</sub> Film by Laser Drilling to Produce Porous WS <sub>2</sub> /WO <sub>3</sub> Heterostructure. <i>Scientific Reports</i> , 2017, 7, 3125.	1.6	31
166	High-Electron-Mobility and Air-Stable 2D Layered PtSe <sub>2</sub> FETs. <i>Advanced Materials</i> , 2017, 29, 1604230.	11.1	502
167	Epidemiology, Etiology, and Treatment of Isolated Cleft Palate. <i>Frontiers in Physiology</i> , 2016, 7, 67.	1.3	143
168	2D Layered Materials of Rare-Earth Er-Doped MoS <sub>2</sub> with NIR-to-NIR Down- and Up-Conversion Photoluminescence. <i>Advanced Materials</i> , 2016, 28, 7472-7477.	11.1	180
169	Controllable Growth of Large-Size Crystalline MoS <sub>2</sub> and Resist-Free Transfer Assisted with a Cu Thin Film. <i>Scientific Reports</i> , 2016, 5, 18596.	1.6	163
170	Effect of improved contact on reliability of sub-60 nm carbon nanotube vias. <i>Nanotechnology</i> , 2016, 27, 375202.	1.3	5
171	Adsorption of CO molecules on doped graphene: A first-principles study. <i>AIP Advances</i> , 2016, 6, .	0.6	56
172	Perovskite Photovoltachromic Supercapacitor with All-Transparent Electrodes. <i>ACS Nano</i> , 2016, 10, 5900-5908.	7.3	159
173	An ultra-long and low junction-resistance Ag transparent electrode by electrospun nanofibers. <i>RSC Advances</i> , 2016, 6, 91641-91648.	1.7	29
174	Near-Infrared Photoresponse of One-Sided Abrupt MAPbI <sub>3</sub> /TiO <sub>2</sub> Heterojunction through a Tunneling Process. <i>Advanced Functional Materials</i> , 2016, 26, 8545-8554.	7.8	23
175	<i>Sox2</i> and <i>Lef-1</i> interact with <i>Pitx2</i> to regulate incisor development and stem cell renewal. <i>Development (Cambridge)</i> , 2016, 143, 4115-4126.	1.2	58
176	Innen-Äußertitelbild: Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure ( <i>Angew. Chem.</i> 40/2016). <i>Angewandte Chemie</i> , 2016, 128, 12731-12731.	1.6	0
177	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. <i>Angewandte Chemie</i> , 2016, 128, 12544-12548.	1.6	15
178	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12356-12360.	7.2	118
179	Distinctive in-Plane Cleavage Behaviors of Two-Dimensional Layered Materials. <i>ACS Nano</i> , 2016, 10, 8980-8988.	7.3	90
180	Generation and characterization of tamoxifen-inducible <i>Pax9-CreER</i> knock-in mice using CrispR/Cas9. <i>Genesis</i> , 2016, 54, 490-496.	0.8	12

#	ARTICLE	IF	CITATIONS
181	Nonstoichiometric acid–base reaction as reliable synthetic route to highly stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite film. <i>Nature Communications</i> , 2016, 7, 13503.	5.8	94
182	Improved performance of HEMTs with BN as heat dissipation. , 2016, , .		1
183	High-responsivity UV-Vis Photodetector Based on Transferable WS <sub>2</sub> Film Deposited by Magnetron Sputtering. <i>Scientific Reports</i> , 2016, 6, 20343.	1.6	230
184	High thermally conductive and electrically insulating 2D boron nitride nanosheet for efficient heat dissipation of high-power transistors. <i>2D Materials</i> , 2016, 3, 041009.	2.0	33
185	Contact resistance and reliability of 40 nm carbon nanotube vias. , 2016, , .		1
186	Multifunctional perovskite photovoltachromic supercapacitor. , 2016, , .		1
187	Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. <i>Nature Communications</i> , 2016, 7, 12206.	5.8	179
188	Sutures Possess Strong Regenerative Capacity for Calvarial Bone Injury. <i>Stem Cells and Development</i> , 2016, 25, 1801-1807.	1.1	30
189	The WS <sub>2</sub> quantum dot: preparation, characterization and its optical limiting effect in polymethylmethacrylate. <i>Nanotechnology</i> , 2016, 27, 414005.	1.3	36
190	Extraordinarily Strong Interlayer Interaction in 2D Layered PtS <sub>2</sub> . <i>Advanced Materials</i> , 2016, 28, 2399-2407.	11.1	415
191	Carrier Type Control of WSe <sub>2</sub> Field-Effect Transistors by Thickness Modulation and MoO <sub>3</sub> Layer Doping. <i>Advanced Functional Materials</i> , 2016, 26, 4223-4230.	7.8	167
192	The FaceBase Consortium: A comprehensive resource for craniofacial researchers. <i>Development (Cambridge)</i> , 2016, 143, 2677-88.	1.2	62
193	A long-term corrosion barrier with an insulating boron nitride monolayer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5044-5050.	5.2	159
194	Selectable Synthesis of 2-D MoS <sub>2</sub> and Its Electronic Devices: From Isolated Triangular Islands to Large-Area Continuous Thin Film. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 310-317.	1.1	13
195	A van der Waals pn heterojunction with organic/inorganic semiconductors. <i>Applied Physics Letters</i> , 2015, 107, 183103.	1.5	77
196	A Comprehensive Study of Soft Palate Development in Mice. <i>PLoS ONE</i> , 2015, 10, e0145018.	1.1	24
197	Mandible and Tongue Development. <i>Current Topics in Developmental Biology</i> , 2015, 115, 31-58.	1.0	118
198	Infrared light gated MoS <sub>2</sub> field effect transistor. <i>Optics Express</i> , 2015, 23, 31908.	1.7	18

#	ARTICLE	IF	CITATIONS
199	Integration of comprehensive 3D microCT and signaling analysis reveals differential regulatory mechanisms of craniofacial bone development. <i>Developmental Biology</i> , 2015, 400, 180-190.	0.9	37
200	Kinetically controlled synthesis of large-scale morphology-tailored silver nanostructures at low temperature. <i>Nanoscale</i> , 2015, 7, 13420-13426.	2.8	9
201	A rectification-free piezo-supercapacitor with a polyvinylidene fluoride separator and functionalized carbon cloth electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14963-14970.	5.2	118
202	BMP-SHH Signaling Network Controls Epithelial Stem Cell Fate via Regulation of Its Niche in the Developing Tooth. <i>Developmental Cell</i> , 2015, 33, 125-135.	3.1	117
203	Low voltage and high ON/OFF ratio field-effect transistors based on CVD MoS <sub>2</sub> and ultra high-k gate dielectric PZT. <i>Nanoscale</i> , 2015, 7, 8695-8700.	2.8	121
204	The suture provides a niche for mesenchymal stem cells of craniofacial bones. <i>Nature Cell Biology</i> , 2015, 17, 386-396.	4.6	313
205	High-power passively mode-locked Nd:YVO <sub>4</sub> laser using SWCNT saturable absorber fabricated by dip coating method. <i>Optics Express</i> , 2015, 23, 4880.	1.7	10
206	Tuning nonlinear optical absorption properties of WS <sub>2</sub> nanosheets. <i>Nanoscale</i> , 2015, 7, 17771-17777.	2.8	57
207	Disruption of the ERK/MAPK pathway in neural crest cells as a potential cause of Pierre Robin sequence. <i>Development (Cambridge)</i> , 2015, 142, 3734-45.	1.2	42
208	An <i>Nfic</i> hedgehog signaling cascade regulates tooth root development. <i>Development (Cambridge)</i> , 2015, 142, 3374-82.	1.2	67
209	TGF $\beta$ <sup>2</sup> regulates epithelial-mesenchymal interactions through WNT signaling activity to control muscle development in the soft palate. <i>Development (Cambridge)</i> , 2014, 141, 909-917.	1.2	41
210	Controllable parabolic lensed liquid-core optical fiber by using electrostatic force. <i>Optics Express</i> , 2014, 22, 20948.	1.7	1
211	Mass Transport Mechanism of Cu Species at the Metal/Dielectric Interfaces with a Graphene Barrier. <i>ACS Nano</i> , 2014, 8, 12601-12611.	7.3	55
212	Improved multiphoton ultraviolet upconversion photoluminescence in ultrasmall core-shell nanocrystals. <i>Optics Letters</i> , 2014, 39, 6265.	1.7	11
213	Effects of surface roughness of Ag thin films on surface-enhanced Raman spectroscopy of graphene: spatial nonlocality and physisorption strain. <i>Nanoscale</i> , 2014, 6, 1311-1317.	2.8	110
214	Stretchable all-solid-state supercapacitor with wavy shaped polyaniline/graphene electrode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9142-9149.	5.2	299
215	Lensed Water-Core Teflon-Amorphous Fluoroplastics Optical Fiber. <i>Journal of Lightwave Technology</i> , 2014, 32, 1538-1542.	2.7	5
216	Secretion of Shh by a Neurovascular Bundle Niche Supports Mesenchymal Stem Cell Homeostasis in the Adult Mouse Incisor. <i>Cell Stem Cell</i> , 2014, 14, 160-173.	5.2	350

#	ARTICLE	IF	CITATIONS
217	Enhanced SERS Stability of R6G Molecules with Monolayer Graphene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11827-11832.	1.5	72
218	Two-Dimensional Material Membranes: An Emerging Platform for Controllable Mass Transport Applications. <i>Small</i> , 2014, 10, 4521-4542.	5.2	115
219	Preparation and characterization of few-layer MoS <sub>2</sub> nanosheets and their good nonlinear optical responses in the PMMA matrix. <i>Nanoscale</i> , 2014, 6, 9713-9719.	2.8	98
220	ALK5-Mediated Transforming Growth Factor $\beta$ Signaling in Neural Crest Cells Controls Craniofacial Muscle Development via Tissue-Tissue Interactions. <i>Molecular and Cellular Biology</i> , 2014, 34, 3120-3131.	1.1	27
221	Tuneable complementary metamaterial structures based on graphene for single and multiple transparency windows. <i>Scientific Reports</i> , 2014, 4, 6128.	1.6	151
222	Highly impermeable and transparent graphene as an ultra-thin protection barrier for Ag thin films. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4956.	2.7	85
223	Noncanonical Transforming Growth Factor $\beta$ (TGF $\beta$ ) Signaling in Cranial Neural Crest Cells Causes Tongue Muscle Developmental Defects. <i>Journal of Biological Chemistry</i> , 2013, 288, 29760-29770.	1.6	38
224	Identification of candidate downstream targets of TGF $\beta$ signaling during palate development by genome-wide transcript profiling. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 796-807.	1.2	20
225	A TGF $\beta$ -Smad4-Fgf6 signaling cascade controls myogenic differentiation and myoblast fusion during tongue development. <i>Development (Cambridge)</i> , 2012, 139, 1640-1650.	1.2	60
226	Low-Resistance Electrical Contact to Carbon Nanotubes With Graphitic Interfacial Layer. <i>IEEE Transactions on Electron Devices</i> , 2012, 59, 12-19.	1.6	105
227	Modulation of noncanonical TGF- $\beta$ signaling prevents cleft palate in Tgfr2 mutant mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 873-885.	3.9	104
228	Carbon nanotube electronics - Materials, devices, circuits, design, modeling, and performance projection. , 2011, , .		22
229	SMAD4-mediated WNT signaling controls the fate of cranial neural crest cells during tooth morphogenesis. <i>Development (Cambridge)</i> , 2011, 138, 1977-1989.	1.2	99
230	Characterization of switching parameters and multilevel capability in HfO <sub>2</sub> /AlO <sub>x</sub> /bi-layer RRAM devices. , 2011, , .		30
231	The FaceBase Consortium: A comprehensive program to facilitate craniofacial research. <i>Developmental Biology</i> , 2011, 355, 175-182.	0.9	72
232	Inductance Properties of In Situ-Grown Horizontally Aligned Carbon Nanotubes. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 229-235.	1.6	9
233	Nanoscale Bipolar and Complementary Resistive Switching Memory Based on Amorphous Carbon. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 3933-3939.	1.6	78
234	Smad4-Shh-Nfic signaling cascade-mediated epithelial-mesenchymal interaction is crucial in regulating tooth root development. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1167-1178.	3.1	124

#	ARTICLE	IF	CITATIONS
235	Horizontally aligned carbon nanotube bundles for interconnect application: diameter-dependent contact resistance and mean free path. <i>Nanotechnology</i> , 2010, 21, 235705.	1.3	32
236	Graphitic interfacial layer to carbon nanotube for low electrical contact resistance. , 2010, , .		5
237	Integration of horizontal carbon nanotube devices on silicon substrate using liquid evaporation. , 2010, , .		5
238	Carbon nanotube FETs decorated by gold nanoparticles: Electrical properties and mechanism. , 2010, , .		0
239	Transforming Growth Factor- $\beta 2$ Regulates Basal Transcriptional Regulatory Machinery to Control Cell Proliferation and Differentiation in Cranial Neural Crest-derived Osteoprogenitor Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 4975-4982.	1.6	64
240	TGF- $\beta 2$ mediated FGF10 signaling in cranial neural crest cells controls development of myogenic progenitor cells through tissue-tissue interactions during tongue morphogenesis. <i>Developmental Biology</i> , 2010, 341, 186-195.	0.9	69
241	Inductance properties of silicon-in-grown horizontal carbon nanotubes. , 2010, , .		4
242	Resistive switching of carbon-based RRAM with CNT electrodes for ultra-dense memory. , 2010, , .		4
243	Sacrificial removal of caps of aligned carbon nanotubes for interconnect application. , 2009, , .		1
244	Fabrication and characterization of horizontally aligned carbon nanotubes for interconnect application. , 2009, , .		3
245	Indirect modulation of Shh signaling by Dlx5 affects the oral-nasal patterning of palate and rescues cleft palate in Msx1-null mice. <i>Development (Cambridge)</i> , 2009, 136, 4225-4233.	1.2	66
246	Stem Cell Property of Postmigratory Cranial Neural Crest Cells and Their Utility in Alveolar Bone Regeneration and Tooth Development. <i>Stem Cells</i> , 2009, 27, 866-877.	1.4	96
247	Fate of HERS during tooth root development. <i>Developmental Biology</i> , 2009, 334, 22-30.	0.9	156
248	Electron-shading effect on the horizontal aligned growth of carbon nanotubes. <i>Applied Physics Letters</i> , 2009, 94, 043116.	1.5	22
249	Novel Local Silicon-Gate Carbon Nanotube Transistors Combining Silicon-on-Insulator Technology for Integration. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 260-268.	1.1	10
250	Low-Resistance Carbon Nanotube Contact Plug to Silicon. <i>IEEE Electron Device Letters</i> , 2009, 30, 811-813.	2.2	10
251	Electromigration Studies of Cu/Carbon Nanotube Composite Interconnects Using Blech Structure. <i>IEEE Electron Device Letters</i> , 2008, 29, 1001-1003.	2.2	52
252	Copper/carbon nanotube composite interconnect for enhanced electromigration resistance. , 2008, , .		13

#	ARTICLE	IF	CITATIONS
253	Carbon nanotube thermal interface material for high-brightness light-emitting-diode cooling. Nanotechnology, 2008, 19, 215706.	1.3	135
254	High electromigration-resistant copper/carbon nanotube composite for interconnect application. , 2008, , .		14
255	Tissue-specific requirement for TGF- $\beta^2$ signaling during craniofacial development. FASEB Journal, 2008, 22, 87.1.	0.2	0
256	Flexible transfer of aligned carbon nanotube films for integration at lower temperature. Nanotechnology, 2007, 18, 355709.	1.3	32
257	Gate voltage dependent characteristics of p-n diodes and bipolar transistors based on multiwall CNx/carbon nanotube intramolecular junctions. Nanotechnology, 2007, 18, 395205.	1.3	5
258	Carbon Nanotube/Copper Composites for Via Filling and Thermal Management. , 2007, , .		35
259	Low Temperature Transfer of Aligned Carbon Nanotube Films Using Liftoff Technique. , 2007, , .		13
260	Cell autonomous requirement for TGF- $\beta^2$ signaling during odontoblast differentiation and dentin matrix formation. Mechanisms of Development, 2007, 124, 409-415.	1.7	88
261	Reliability Evaluation of Carbon Nanotube Interconnect in a Silicon CMOS Environment. , 2006, , .		6
262	A simple way to CNx/carbon nanotube intramolecular junctions and branches. Carbon, 2006, 44, 687-691.	5.4	31
263	Recent advances in craniofacial morphogenesis. Developmental Dynamics, 2006, 235, 2353-2375.	0.8	535
264	Local silicon-gate carbon nanotube field effect transistors using silicon-on-insulator technology. Applied Physics Letters, 2006, 89, 023116.	1.5	14
265	Efficient self-assembly of transition metal oxide nanoclusters on silicon substrates. Thin Solid Films, 2005, 492, 13-18.	0.8	5
266	Morphoregulation of teeth: modulating the number, size, shape and differentiation by tuning Bmp activity. Evolution & Development, 2005, 7, 440-457.	1.1	159
267	Low-Field Emission from Iron Oxide-Filled Carbon Nanotube Arrays. Chinese Physics Letters, 2005, 22, 911-914.	1.3	14
268	Nanodiode based on a multiwall CNx/carbon nanotube intramolecular junction. Nanotechnology, 2005, 16, 2134-2137.	1.3	42
269	Selective Formation of Metal Nanoparticles on the Sidewalls of Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 377-383.	1.0	3
270	Prospects for tooth regeneration in the 21st century: A perspective. Microscopy Research and Technique, 2003, 60, 469-479.	1.2	110



#	ARTICLE	IF	CITATIONS
271	Heterozygous loss of Six5 in mice is sufficient to cause ocular cataracts. <i>Nature Genetics</i> , 2000, 25, 110-114.	9.4	189
272	Nerve growth factor (NGF) supports tooth morphogenesis in mouse first branchial arch explants. <i>Developmental Dynamics</i> , 1999, 216, 299-310.	0.8	32
273	Nerve growth factor (NGF) supports tooth morphogenesis in mouse first branchial arch explants. <i>Developmental Dynamics</i> , 1999, 216, 299-310.	0.8	1
274	PDGF-A and PDGFR- $\beta$ regulate tooth formation via autocrine mechanism during mandibular morphogenesis in vitro. , 1998, 213, 500-511.		21
275	Characterization of the fate of midline epithelial cells during the fusion of mandibular prominences in vivo. , 1997, 208, 526-535.		24
276	Proliferative and structural differences between male and female mouse submandibular glands. <i>The Anatomical Record</i> , 1993, 235, 303-311.	2.3	32
277	Parenchymal cell proliferation and mechanisms for maintenance of granular duct and acinar cell populations in adult male mouse submandibular gland. <i>The Anatomical Record</i> , 1993, 235, 475-485.	2.3	63
278	Three-dimensional reconstruction of adult female mouse submandibular gland secretory structures. <i>The Anatomical Record</i> , 1990, 226, 489-500.	2.3	29
279	Surface proximity effect enables layer-by-layer growth of MoS <sub>2</sub> . <i>National Science Review</i> , 0, , .	4.6	0