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**Double-slit photoelectron interference in strong-field ionization of the neon dimer**

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2020	On water catalyst-free synthesis of benzo[ <i>b</i> ]imidazo[2,1- <i>b</i> ]thiazoles and novel -alkylated 2-aminobenzo[ <i>b</i> ]oxazoles under microwave irradiation.. <b>2020</b> , 10, 770-778	10
2019	An ecofriendly route to synthesize C-Mo <sub>2</sub> C and C/N-Mo <sub>2</sub> C utilizing waste polyethene for efficient hydrogen evolution reaction (HER) activity and high performance capacitors. <b>2020</b> , 4, 655-669	14
2018	Design strategy of barium titanate/polyvinylidene fluoride-based nanocomposite films for high energy storage. <b>2020</b> , 8, 884-917	93
2017	Charge-transfer descriptor for the cycle performance of $\text{Li}_2\text{MO}_3$ cathodes: role of oxygen dimers. <b>2020</b> , 8, 2663-2671	5
2016	Electro-derived Cu-Cu <sub>2</sub> O nanocluster from LDH for stable and selective C <sub>2</sub> hydrocarbons production from CO <sub>2</sub> electrochemical reduction. <b>2020</b> , 48, 169-180	17
2015	Enhancing electrochemical performance of thin film lithium ion battery via introducing tilted metal nanopillars as effective current collectors. <b>2020</b> , 69, 104381	13
2014	Design and tailoring of an artificial DNA scaffolding system for efficient lycopene synthesis using zinc-finger-guided assembly. <b>2020</b> , 47, 209-222	10
2013	Sub-10 nm Polyamide Nanofiltration Membrane for Molecular Separation. <b>2020</b> , 15, 2341-2345	9
2012	Toward Automatic and Comprehensive Glycan Characterization by Online PGC-LC-EED MS/MS. <b>2020</b> , 92, 782-791	20
2011	Live-Cell Copper-Induced Fluorescence Quenching of the Flavin-Binding Fluorescent Protein CreiLOV. <b>2020</b> , 21, 1356-1363	4
2010	Antifungal and anti-biofilm activity of designed derivatives from kyotorphin. <b>2020</b> , 124, 316-326	3
2009	CircRNA104250 and lncRNAuc001.dgp.1 promote the PM-induced inflammatory response by co-targeting miR-3607-5p in BEAS-2B cells. <b>2020</b> , 258, 113749	13
2008	The role of auditory feedback on vocal pattern generation in marmoset monkeys. <b>2020</b> , 60, 92-98	2
2007	Porous carbon fibers for effective hydrogen evolution. <b>2020</b> , 506, 144955	6
2006	Impurity and texture driven HCP-to-FCC transformations in Ti-X thin films during in situ TEM annealing and FIB milling. <b>2020</b> , 184, 199-210	11

2005	Ground state chemistry under vibrational strong coupling: dependence of thermodynamic parameters on the Rabi splitting energy. <b>2020</b> , 9, 249-255	42
2004	Customizing the Polarity of Single-Walled Carbon-Nanotube Field-Effect Transistors Using Solution-Based Additives. <b>2020</b> , 6, 1900789	7
2003	Influence of Quaternary paleoclimate change on the permeability of the loess paleosol sequence in the Loess Plateau, northern China. <b>2020</b> , 45, 862-876	15
2002	Astrocytic Regulation of Synchronous Bursting in Cortical Cultures: From Local to Global. <b>2020</b> , 1, tgaa053	1
2001	Hemodynamic Response Function in Brain White Matter in a Resting State. <b>2020</b> , 1, tgaa056	6
2000	Metagratings for Waterborne Sound: Various Functionalities Enabled by an Efficient Inverse-Design Approach. <b>2020</b> , 14,	11
1999	Imaging the valley and orbital Hall effect in monolayer MoS. <b>2020</b> , 102,	4
1998	Ising Superconductivity and Magnetism in NbSe <sub>2</sub> . <b>2020</b> , 10,	11
1997	Persistent El Niño driven shifts in marine cyanobacteria populations. <b>2020</b> , 15, e0238405	4
1996	Metal-organic frameworks for carbon dioxide capture. <b>2020</b> , 7, 1	11
1995	The tunable electric and magnetic properties of 2D MXenes and their potential applications. <b>2020</b> , 1, 3104-3121	16
1994	A simple pre-sodiation strategy to improve the performance and energy density of sodium ion batteries with Na <sub>4</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as the cathode material. <b>2020</b> , 8, 23368-23375	13
1993	Metals in polymers: hybridization enables new functions. <b>2020</b> , 8, 15956-15980	11
1992	GIS-Based Material Stock Analysis (MSA) of Climate Vulnerabilities to the Tourism Industry in Antigua and Barbuda. <b>2020</b> , 12, 8090	5
1991	Liquid Crystal Polymer-Based Soft Robots. <b>2020</b> , 2, 2000148	25
1990	Progress in TENG technology: A journey from energy harvesting to nanoenergy and nanosystem. <b>2020</b> , 2, e12058	57
1989	Bias-Modulated Multicolor Discrimination Enabled by an Organic-Inorganic Hybrid Perovskite Photodetector with a p-i-n-i-p Configuration. <b>2020</b> , 14, 2000305	4
1988	Influence of Process Parameters on Microstructure Evolution During Hot Deformation of a Eutectic High-Entropy Alloy (EHEA). <b>2020</b> , 51, 6406-6420	7

1987	Cost-effective silver nano-ink for inkjet printing in application of flexible electronic devices. <b>2020</b> , 757, 137904		12
1986	Biosensors: A novel approach to and recent discovery in detection of cytokines. <b>2020</b> , 136, 155272		7
1985	Congestive heart failure waveform classification based on short time-step analysis with recurrent network. <b>2020</b> , 21, 100441		7
1984	Recent trends of micro and nanostructured conducting polymers in health and environmental applications. <b>2020</b> , 879, 114754		6
1983	Alternative fabrication methodologies for two-dimensional self-assembled Inorganic-Organic hybrid semiconductors. <b>2020</b> , 110, 110511		1
1982	Primary color generation from white organic light-emitting diodes using a cavity control layer for AR/VR applications. <b>2020</b> , 87, 105938		4
1981	Paleofire, Vegetation, and Climate Reconstructions of the Middle to Late Holocene From Lacustrine Sediments of the Toushe Basin, Taiwan. <b>2020</b> , 47, e2020GL090401		6
1980	Transfer learning enables the molecular transformer to predict regio- and stereoselective reactions on carbohydrates. <i>Nature Communications</i> , <b>2020</b> , 11, 4874	17.4	40
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1977	SIMPLEs: a single-cell RNA sequencing imputation strategy preserving gene modules and cell clusters variation. <b>2020</b> , 2, lqaa077		3
1976	Effects of the substrate-surface reconstruction and orientation on the spin valley polarization in MoTe <sub>2</sub> /EuO. <b>2020</b> , 102,		4
1975	Chip-scale nonlinear photonics for quantum light generation. <b>2020</b> , 2, 041702		17
1974	Innate Lymphocytes in Inflammatory Arthritis. <b>2020</b> , 11, 565275		6
1973	Visible-Light Photoredox Alkylation of Heteroaromatic Bases Using Ethyl Acetate as Alkylating Agent. <b>2020</b> , 2020, 6447-6454		2
1972	Effects of lattice distortion and chemical short-range order on the mechanisms of deformation in medium entropy alloy CoCrNi. <b>2020</b> , 199, 352-369		74
1971	Air-Stable Low-Symmetry Narrow-Bandgap 2D Sulfide Niobium for Polarization Photodetection. <b>2020</b> , 32, e2005037		34
1970	Stochastic approximation with nondecaying gain: Error bound and data-driven gain-tuning. <b>2020</b> , 30, 5820-5870		1

1969	Structural, optical and photocatalytic studies of hexadecylamine-capped lead sulfide nanoparticles. <b>2020</b> , 11, 249-260	4
1968	Emerging roles of absent in melanoma 2 in cardiovascular diseases. <b>2020</b> , 511, 14-23	6
1967	Metal (boro-) hydrides for high energy density storage and relevant emerging technologies. <b>2020</b> , 45, 33687-33730	28
1966	The value of thermal management control strategies for battery energy storage in grid decarbonization: Issues and recommendations. <b>2020</b> , 276, 124223	18
1965	Enhancement of tumour penetration by nanomedicines through strategies based on transport processes and barriers. <b>2020</b> , 328, 28-44	19
1964	Current status and future perspectives of lithium metal batteries. <b>2020</b> , 480, 228803	37
1963	Inorganic narrow bandgap CsPb <sub>0.4</sub> Sn <sub>0.6</sub> I <sub>2.4</sub> Br <sub>0.6</sub> perovskite solar cells with exceptional efficiency. <b>2020</b> , 77, 105309	8
1962	Satellite-derived bathymetry using the ICESat-2 lidar and Sentinel-2 imagery datasets. <b>2020</b> , 250, 112047	58
1961	Risk factors for the conservation of saltmarsh vegetation and blue carbon revealed by earthquake-induced sea-level rise. <b>2020</b> , 746, 141241	5
1960	Establishing a mouse model of choroidal neovascularization to study the therapeutic effect of levatinib and its mechanism. <b>2020</b> , 27, 2491-2497	1
1959	Optical method to detect the relationship between chirality of reciprocal space chiral multifold fermions and real space chiral crystals. <b>2020</b> , 102,	0
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1957	Rational design of type-II nano-heterojunctions for nanoscale optoelectronics. <b>2020</b> , 15, 100262	20
1956	Ultrasound mediated therapy: Recent progress and challenges in nanoscience. <b>2020</b> , 35, 100949	58
1955	A tunable silicon-on-insulator valley Hall photonic crystal at telecommunication wavelengths. <b>2020</b> , 131, 54002	3
1954	Improved electrochemical performance of SiO <sub>2</sub> -coated Li-rich layered oxides-Li <sub>1.2</sub> Ni <sub>0.13</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> O <sub>2</sub> . <b>2020</b> , 31, 19475-19486	4
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1952	Enhanced hydrogen generation efficiency of methanol using dielectric barrier discharge plasma methodology and conducting sea water as an electrode. <b>2020</b> , 6, e04717	4

1951	Powder sintering mechanisms during the pre-heating procedure of electron beam additive manufacturing. <b>2020</b> , 25, 101579	2
1950	Variable Impacts of Climate Change on Blue Carbon. <b>2020</b> , 3, 195-211	40
1949	Ideal Unconventional Weyl Point in a Chiral Photonic Metamaterial. <b>2020</b> , 125, 143001	13
1948	The persistent myth of lost hegemony, revisited: structural power as a complex network phenomenon. <b>2020</b> , 26, 209-252	10
1947	Localization of deep brain activity with scalp and subdural EEG. <b>2020</b> , 223, 117344	8
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1943	Adaptive evolution shapes the present-day distribution of the thermal sensitivity of population growth rate. <b>2020</b> , 18, e3000894	9
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1941	Perovskite Light Emitting Diode Characteristics: The Effects of Electroluminescence Transient and Hysteresis. <b>2020</b> , 8, 2000941	11
1940	The role of integrins in inflammation and angiogenesis. <b>2021</b> , 89, 1619-1626	39
1939	Acoustically driven electromagnetic radiating elements. <b>2020</b> , 10, 17006	9
1938	Current perspectives on inhibitory SMAD7 in health and disease. <b>2020</b> , 55, 691-715	13
1937	Two high-yield complementary methods to sort cell populations by their 2D or 3D migration speed. <b>2020</b> , 31, 2779-2790	
1936	Surface Morphology Analysis of Knit Structure-Based Triboelectric Nanogenerator for Enhancing the Transfer Charge. <b>2020</b> , 15, 181	7
1935	CRISPR-Cas9: A Promising Genome Editing Therapeutic Tool for Alzheimer's Disease-A Narrative Review. <b>2020</b> , 9, 419-434	11
1934	A Recurrent Neural Network model to predict blood-brain barrier permeability. <b>2020</b> , 89, 107377	11



1933	Luminophoric organic molecules for anticounterfeit printing ink applications: an up-to-date review. <b>2020</b> , 18, 100361	4
1932	Stretchable gas sensors for detecting biomarkers from humans and exposed environments. <b>2020</b> , 133, 116085-116085	10
1931	Exploring the synthetic biology potential of bacteriophages for engineering non-model bacteria. <i>Nature Communications</i> , <b>2020</b> , 11, 5294	17.4 14
1930	Cell-cell interfaces as specialized compartments directing cell function. <b>2020</b> , 21, 750-764	14
1929	The electrophysiological underpinnings of variation in verbal working memory capacity. <b>2020</b> , 10, 16090	3
1928	Innate connectivity patterns drive the development of the visual word form area. <b>2020</b> , 10, 18039	9
1927	Covalent labeling of nucleic acids. <b>2020</b> , 49, 8749-8773	34
1926	Nanonet-nano fiber electrospun mesh of PCL-chitosan for controlled and extended release of diclofenac sodium. <b>2020</b> , 12, 23556-23569	16
1925	Investigating the active layer thickness dependence of non-fullerene organic solar cells based on PM7 derivatives. <b>2020</b> , 8, 15459-15469	8
1924	Frontiers in atomistic simulations of high entropy alloys. <b>2020</b> , 128, 150901	16
1923	Night Watch on the Titanic: Detecting Early Signs of Epileptogenesis in Alzheimer Disease. <b>2020</b> , 20, 369-374	5
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1921	Epigenetics and epigenomics: underlying mechanisms, relevance, and implications in crop improvement. <b>2020</b> , 20, 739-761	18
1920	A spectroscopic investigation of Carbon dots and its reduced state towards fluorescence performance. <b>2020</b> , 403, 112847	7
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1918	Unlocking the efficiency of genomics laboratories with robotic liquid-handling. <b>2020</b> , 21, 729	6
1917	Parallelized Latent Dirichlet Allocation Provides a Novel Interpretability of Mutation Signatures in Cancer Genomes. <b>2020</b> , 11,	2
1916	A new chlorinated non-fullerene acceptor based organic photovoltaic cells over 12% efficiency. <b>2020</b> , 27, 3581-3593	5

1915	Metal-organic frameworks (MOFs) for the adsorptive removal of selected endocrine disrupting compounds (EDCs) from aqueous solution: A review. <b>2020</b> , 21, 100796	23
1914	A high-performance electrode based on Ce-doped nickel-cobalt layered double hydroxide growth on carbon nanotubes for efficient oxygen evolution. <b>2020</b> , 877, 114643	9
1913	Enhanced cycle life of vanadium redox flow battery via a capacity and energy efficiency recovery method. <b>2020</b> , 478, 228725	17
1912	Carbon and nutrient accumulation in tropical mangrove creeks, Amazon region. <b>2020</b> , 429, 106317	18
1911	Smart traceability for food safety. <b>2020</b> , 1-12	12
1910	A Regional Frequency Analysis of Tide Gauges to Assess Pacific Coast Flood Risk. <b>2020</b> , 7,	2
1909	Population-level variation in host plant response to multiple microbial mutualists. <b>2020</b> , 107, 1389-1400	5
1908	Layered ferric vanadate nanosheets as a high-rate NH <sub>4</sub> <sup>+</sup> storage electrode. <b>2020</b> , 360, 137008	17
1907	Sample pre-treatment procedures for the omics analysis of human gut microbiota: Turning points, tips and tricks for gene sequencing and metabolomics. <b>2020</b> , 191, 113592	2
1906	Upconversion optogenetic micro-nanosystem optically controls the secretion of light-responsive bacteria for systemic immunity regulation. <b>2020</b> , 3, 561	3
1905	Bubble formation in nanopores: a matter of hydrophobicity, geometry, and size. <b>2020</b> , 5, 1817780	8
1904	Effects of refractory nitride reinforcements on the microstructure, densification and microhardness of Ti6Al4V-based binary composites produced by spark plasma sintering. <b>2020</b> , 784, 012001	0
1903	Quantifying nonequilibrium thermodynamic operations in a multiterminal mesoscopic system. <b>2020</b> , 102,	7
1902	Chiral topologically ordered insulating phases in arrays of interacting integer quantum Hall islands. <b>2020</b> , 102,	0
1901	Optimization of Si-doped HfO <sub>2</sub> ferroelectric material-based negative capacitance junctionless TFET: Impact of temperature on RF/linearity performance. <b>2020</b> , 34, 2050242	7
1900	High-throughput approaches for precision medicine in high-grade serous ovarian cancer. <b>2020</b> , 13, 134	12
1899	Community-level impacts of spatial repellents for control of diseases vectored by <i>Aedes aegypti</i> mosquitoes. <b>2020</b> , 16, e1008190	3
1898	Double transition-metal MXenes: Atomistic design of two-dimensional carbides and nitrides. <b>2020</b> , 45, 850-861	37

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1896	Sugar alcohols derived from lactose: lactitol, galactitol, and sorbitol. <b>2020</b> , 104, 9487-9495	10
1895	Studying Lymphatic Metastasis in Breast Cancer: Current Models, Strategies, and Clinical Perspectives. <b>2020</b> , 25, 191-203	4
1894	CuO/ZnO/C electrocatalysts for CO <sub>2</sub> -to-C <sub>2</sub> + products conversion with high yield: On the effect of geometric structure and composition. <b>2020</b> , 606, 117829	13
1893	Ultrahigh molecular weight polyethylene: Catalysis, structure, properties, processing and applications. <b>2020</b> , 109, 101290	44
1892	The wasted chewing gum bacteriome. <b>2020</b> , 10, 16846	2
1891	Folic acid-functionalized magnetic nanoprobes via a PAMAM dendrimer/SA-biotin mediated cascade-amplifying system for the efficient enrichment of circulating tumor cells. <b>2020</b> , 8, 6395-6403	7
1890	Iron nanoparticle templates for constructing 3D graphene framework with enhanced performance in sodium-ion batteries. <b>2020</b> , 12, 21780-21787	3
1889	CuO $\pi$ modified glass fiber films with a mixed ion and electron-conducting scaffold for highly stable lithium metal anodes. <b>2020</b> , 8, 21961-21967	5
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1887	Progress in Mesocrystal Formation. <b>2020</b> , 73-96	4
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1883	Effective and facile fabrication of MOFs/cellulose composite paper for air hazards removal by virtue of in situ synthesis of MOFs/chitosan hydrogel. <b>2020</b> , 250, 116955	19
1882	Sulfonated poly (ether ether ketone) composite cation exchange membrane for selective recovery of lithium by electrodialysis. <b>2020</b> , 496, 114755	8
1881	Constant-potential environment for activating and synchronizing cardiomyocyte colonies with on-chip ion-depleting perm-selective membranes. <b>2020</b> , 20, 4273-4284	1
1880	Chiral toroids and tendrils superstructures from integrated ternary species with consecutively tunable supramolecular chirality and circularly polarized luminescence. <b>2020</b> , 8, 16224-16233	8

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1878	Beyond continuationism: climate change, economic growth, and the future of world (dis)order. <b>2020</b> , 1-20	9
1877	Multifunctional Cathodic Interlayer with Polysulfide Immobilization Mechanism for High-Performance Li-S Batteries. <b>2020</b> , 5, 12009-12019	4
1876	Comparative epigenetics in animal physiology: An emerging frontier. <b>2020</b> , 36, 100745	3
1875	Sensitive detection of microRNA using QCM biosensors: sandwich hybridization and signal amplification by TiO nanoparticles. <b>2020</b> , 12, 5103-5109	9
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1873	Functional diversity of microboring <i>Ostreobium</i> algae isolated from corals. <b>2020</b> , 22, 4825-4846	4
1872	Co-Expression of Mitochondrial Genes and ACE2 in Cornea Involved in COVID-19. <b>2020</b> , 61, 13	7
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1862	A structure and activity relationship for single-walled carbon nanotube growth confirmed by observations and modeling. <b>2020</b> , 12, 21923-21931	2

1861	Recent progress in noble metal nanocluster and single atom electrocatalysts for the hydrogen evolution reaction. <b>2020</b> , 8, 22467-22487	45
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1859	Double Core-Hole Generation in O <sub>2</sub> Molecules Using an X-Ray Free-Electron Laser: Molecular-Frame Photoelectron Angular Distributions. <b>2020</b> , 125, 163201	9
1858	Bending Properties of Carbon Nanotube/Polymer Composites with Various Aspect Ratios and Filler Contents. <b>2020</b> , 11,	2
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1856	Generalized Photon Added and Subtracted f-Deformed Displaced Fock States. <b>2020</b> , 532, 2000215	1
1855	Clinical utility of Epstein-Barr virus DNA and other liquid biopsy markers in nasopharyngeal carcinoma. <b>2020</b> , 40, 564-585	11
1854	Syngas and Methanol-Based Biorefinery Concepts. <b>2020</b> , 92, 1680-1699	7
1853	Insight into the Origins of Figures of Merit and Design Strategies for Organic/Inorganic Lead-Halide Perovskite Solar Cells. <b>2020</b> , 4, 2000452	6
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1851	Nanocrystals: Characterization Overview, Applications in Drug Delivery, and Their Toxicity Concerns. <b>2020</b> , 1	3
1850	Machine learning linked evolutionary biosensor array for highly sensitive and specific molecular identification. <b>2020</b> , 170, 112670	7
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1848	Crucial roles of cadmium retention in nodell for restraining cadmium transport from straw to ear at reproductive period in a grain low-cadmium rice line ( <i>Oryza sativa</i> L.). <b>2020</b> , 205, 111323	7
1847	High specific energy asymmetric supercapacitor based on alpha-manganese dioxide/activated expanded graphite composite and activated carbon-polyvinyl alcohol. <b>2020</b> , 32, 101797	8
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1844	Three-dimensional interconnected networks for thermally conductive polymer composites: Design, preparation, properties, and mechanisms. <b>2020</b> , 142, 100580	90

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1839	A temperature sensor based on flexible substrate with ultra-high sensitivity for low temperature measurement. <b>2020</b> , 315, 112341	7
1838	Engineering the oleaginous yeast <i>Yarrowia lipolytica</i> for high-level resveratrol production. <b>2020</b> , 62, 51-61	29
1837	Thermoreversible Control of Nucleic Acid Structure and Function with Glyoxal Caging. <b>2020</b> , 142, 17766-17781	15
1836	Accelerated alkaline activation of peroxydisulfate by reduced rubidium tungstate nanorods for enhanced degradation of bisphenol A. <b>2020</b> , 7, 3547-3556	6
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1834	Direct visualization of the protein corona using carbon nanodots as a specific contrasting agent. <b>2020</b> , 56, 13599-13602	1
1833	Increasing stability, efficiency, and fundamental understanding of lithium-mediated electrochemical nitrogen reduction. <b>2020</b> , 13, 4291-4300	50
1832	Traps in metal halide perovskites: characterization and passivation. <b>2020</b> , 12, 22425-22451	14
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1830	Agarose-based biomaterials for advanced drug delivery. <b>2020</b> , 326, 523-543	44
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1824	pH-Responsive Polymer-Drug Conjugate: An Effective Strategy to Combat the Antimicrobial Resistance. <b>2020</b> , 30, 2002655	28
1823	Acrylic acid/acrylamide based hydrogels and its properties - A review. <b>2020</b> , 180, 109308	38
1822	The Correct Localization of Borealin in Midbody during Cytokinesis Depends on IQGAP1. <b>2020</b> , 2020, 6231697	1
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1811	Titanicene-derived TiO quantum dot@carbon encapsulated ZnO nanorod anodes for stable lithium storage. <b>2020</b> , 49, 10866-10873	5
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1809	Theoretical insights into the factors affecting the electrochemical reduction of CO <sub>2</sub> . <b>2020</b> , 4, 4352-4369	7
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1804	Bimodal Whole-Mount Imaging of Tendon Using Confocal Microscopy and X-ray Micro-Computed Tomography. <b>2020</b> , 22, 13	3
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1797	Defect CTF derived Ru-based catalysts for high performance overall water splitting reaction. <b>2020</b> , 50, 135-142	3
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1793	Electronic structure engineering on two-dimensional (2D) electrocatalytic materials for oxygen reduction, oxygen evolution, and hydrogen evolution reactions. <b>2020</b> , 77, 105080	60
1792	Multifocal co-plane metalens based on computer-generated holography for multiple visible wavelengths. <b>2020</b> , 17, 103085	3
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1790	Electrolytes based on nano-2D interlayer structure of Al-pillared clays for solid-state lithium battery. <b>2020</b> , 31, 13874-13888	1



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1782	Effects of temperature and food concentration on pteropod metabolism along the Western Antarctic Peninsula. <b>2020</b> , 530-531, 151412	4
1781	Cold-workable refractory complex concentrated alloys with tunable microstructure and good room-temperature tensile behavior. <b>2020</b> , 188, 16-20	7
1780	Exploring solar cell performance of inorganic Cs <sub>2</sub> TiBr <sub>6</sub> halide double perovskite: A numerical study. <b>2020</b> , 146, 106652	22
1779	High-rate sodium insertion/extraction into silicon oxycarbide-reduced graphene oxide. <b>2020</b> , 44, 14035-14040	6
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1775	A comparative study of root cadmium radial transport in seedlings of two wheat ( <i>Triticum aestivum</i> L.) genotypes differing in grain cadmium accumulation. <b>2020</b> , 266, 115235	6
1774	Efficient CO oxidation over palladium supported on various MOFs: Synthesis, amorphization, and space velocity of hydrogen stream. <b>2020</b> , 45, 21450-21463	7
1773	Inverse-designed arbitrary-input and ultra-compact 1 IN power splitters based on high symmetric structure. <b>2020</b> , 10, 11757	6
1772	High strength, acid-resistant composites from canola, sunflower, or linseed oils: Influence of triglyceride unsaturation on material properties. <b>2020</b> , 58, 2259-2266	15

1771	Selective Sensing of Proteins Using Aptamer Functionalized Nanopore Extended Field-Effect Transistors. <b>2020</b> , 4, 2000356	14
1770	Superoxide Anion Disproportionation Induced by Li and H : Pathways to O Release in Li-O Batteries. <b>2020</b> , 21, 2060-2067	11
1769	A nanocomposite consisting of cuprous oxide supported on graphitic carbon nitride nanosheets for non-enzymatic electrochemical sensing of 8-hydroxy-2'-deoxyguanosine. <b>2020</b> , 187, 459	16
1768	Microstructure and mechanical properties of (TiB+TiC)/Ti composites fabricated in situ via selective laser melting of Ti and B4C powders. <b>2020</b> , 36, 101466	19
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1763	A novel approach to Fabry-Pérot-resonance-based lens and demonstrating deep-subwavelength imaging. <b>2020</b> , 10, 10769	6
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1757	A Family of Small Molecular Materials Enabling Consistently Lower Recombination Losses in Organic Photovoltaic Devices. <b>2020</b> , 4, 2000245	2
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1755	The integrin facilitated internalization of fibronectin-functionalized camptothecin-loaded DNA-nanofibers for high-efficiency anticancer effects. <b>2020</b> , 10, 1381-1392	5
1754	Preparing for Sea-Level Rise through Adaptive Managed Retreat of a New Zealand Stormwater and Wastewater Network. <b>2020</b> , 5, 92	9

1753	Structural water enhanced intercalation of magnesium ions in copper hexacyanoferrate nonaqueous batteries. <b>2020</b> , 362, 137077		6
1752	Nanoscale-femtosecond dielectric response of Mott insulators captured by two-color near-field ultrafast electron microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 5770	17.4	13
1751	The association between early career informal mentorship in academic collaborations and junior author performance. <i>Nature Communications</i> , <b>2020</b> , 11, 5855	17.4	17
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1744	Electro- and photoelectro-catalysts derived from bimetallic amorphous metalorganic frameworks. <b>2020</b> , 10, 8265-8282		5
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1736	Advances in Exosome-Based Drug Delivery and Tumor Targeting: From Tissue Distribution to Intracellular Fate. <b>2020</b> , 15, 9355-9371		34

1735	Nanoscale Imaging and Control of Volatile and Non-Volatile Resistive Switching in VO. <b>2020</b> , 16, e2005439	8
1734	Advances in synthesis of graphene derivatives using industrial wastes precursors; prospects and challenges. <b>2020</b> , 9, 15924-15951	23
1733	Direct RNA sequencing reveals mA modifications on adenovirus RNA are necessary for efficient splicing. <i>Nature Communications</i> , <b>2020</b> , 11, 6016	17.4 51
1732	Universal light-guiding geometry for on-chip resonators having extremely high Q-factor. <i>Nature Communications</i> , <b>2020</b> , 11, 5933	17.4 15
1731	Recent advances in poly(3,4-ethylenedioxysephenone) and related polymers. <b>2020</b> , 11, 7275-7292	13
1730	Electrochemical oxygen reduction for H <sub>2</sub> O <sub>2</sub> production: catalysts, pH effects and mechanisms. <b>2020</b> , 8, 24996-25016	28
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1727	High-fidelity modelling of thermal stress for additive manufacturing by linking thermal-fluid and mechanical models. <b>2020</b> , 196, 109185	13
1726	Advances in Single-Atom Catalysts for Lignin Conversion. <b>2020</b> , 93-125	1
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1719	Atomically dispersed Cu and Fe on N-doped carbon materials for CO electroreduction: insight into the curvature effect on activity and selectivity.. <b>2020</b> , 10, 43075-43084	6
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1713	Tuning cesium guanidinium in formamidinium tin triiodide perovskites with an ethylenediammonium additive for efficient and stable lead-free perovskite solar cells. <b>2020</b> , 1, 3507-3517		2
1712	A high-efficiency bioinspired photoelectric-electromechanical integrated nanogenerator. <i>Nature Communications</i> , <b>2020</b> , 11, 6158	17.4	18
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1703	Acceleration of PDE-Based Biological Simulation Through the Development of Neural Network Metamodels. <b>2020</b> , 8, 121-131		2
1702	Treatment of breast cancer in vivo by dual photodynamic and photothermal approaches with the aid of curcumin photosensitizer and magnetic nanoparticles. <b>2020</b> , 10, 21206		19
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1698	Machine learning approach to constructing tight binding models for solids with application to BiTeCl. <b>2020</b> , 128, 215107	1
1697	Blossoms of Rot: Microbial Life in Saline Organic-Rich Sediments. <b>2020</b> , 45-82	0
1696	Single-Site Heterogeneous Catalysts and Photocatalysts for Emerging Applications. <b>2020</b> , 151-188	3
1695	Legacy Effects from Historical Environmental Changes Dominate Future Terrestrial Carbon Uptake. <b>2020</b> , 8, e2020EF001674	3
1694	Anti-Phased Miocene Ice Volume and CO <sub>2</sub> Changes by Transient Antarctic Ice Sheet Variability. <b>2020</b> , 35, e2020PA003971	3
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1687	Boosting the oxygen evolution reaction using defect-rich ultra-thin ruthenium oxide nanosheets in acidic media. <b>2020</b> , 13, 5143-5151	45
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1685	Coupling between Particle Shape and Long-Range Interaction in the High-Density Regime. <b>2020</b> , 37, 086301	2
1684	Inferring chromosome radial organization from Hi-C data. <b>2020</b> , 21, 511	3
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1682	Quantum Electrodynamical Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. <b>2020</b> , 10,	29

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1680	In situ/operando synchrotron x-ray studies of metal additive manufacturing. <b>2020</b> , 45, 927-933	11
1679	Hierarchical Metal-Organic Framework Films with Controllable Meso/Macroporosity. <b>2020</b> , 7, 2002368	13
1678	Effect of nitrogen on mechanical properties of CoCrFeMnNi high entropy alloy at room and cryogenic temperatures. <b>2020</b> , 849, 156633	30
1677	A review of biological effects and treatments of inhaled depleted uranium aerosol. <b>2020</b> , 222, 106357	4
1676	Vernier frequency division with dual-microresonator solitons. <i>Nature Communications</i> , <b>2020</b> , 11, 3975	17.4 6
1675	A novel three-dimensional magnetic particle imaging system based on the frequency mixing for the point-of-care diagnostics. <b>2020</b> , 10, 11833	6
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1667	In vivo two-photon microscopic observation and ablation in deeper brain regions realized by modifications of excitation beam diameter and immersion liquid. <b>2020</b> , 15, e0237230	7
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1665	Neuromorphic Engineering for Hardware Computational Acceleration and Biomimetic Perception Motion Integration. <b>2020</b> , 2, 2000124	2
1664	Heterojunction-Type Photocatalytic System Based on Inorganic Halide Perovskite CsPbBr <sub>3</sub> <b>2020</b> , 38, 1718-1722	9

1663	A simple and efficient -mediated transient expression system to dissect molecular processes in and. <b>2020</b> , 4, e00237	2
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1661	Pathways towards high energy aqueous rechargeable batteries. <b>2020</b> , 424, 213521	26
1660	Co-ion specific effect on sodium halides sorption and transport in a cross-linked poly(p-styrene sulfonate-co-divinylbenzene) for membrane applications. <b>2020</b> , 612, 118410	3
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1658	Versatile cyanobacteria control the timing and extent of sulfide production in a Proterozoic analog microbial mat. <b>2020</b> , 14, 3024-3037	8
1657	A compendium of mutational cancer driver genes. <b>2020</b> , 20, 555-572	185
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1653	Electrically sensing Hachimoji DNA nucleotides through a hybrid graphene/h-BN nanopore. <b>2020</b> , 12, 18289-18295	8
1652	Half-Heusler thermoelectric materials: NMR studies. <b>2020</b> , 128, 055106	3
1651	Baicalein Attenuates Neuroinflammation by Inhibiting NLRP3/caspase-1/GSDMD Pathway in MPTP Induced Mice Model of Parkinson's Disease. <b>2020</b> ,	33
1650	Hybrid organic/organic halide perovskites for scaled-in neuromorphic devices. <b>2020</b> , 45, 641-648	12
1649	Recent advances of low-dimensional phosphorus-based nanomaterials for solar-driven photocatalytic reactions. <b>2020</b> , 424, 213516	37
1648	Hydrogen bonds induced polymorphism of pyrazoline derivative: Crystal structures, thermal and optical-physical properties. <b>2020</b> , 1220, 128725	1
1647	Advances in oligonucleotide drug delivery. <b>2020</b> , 19, 673-694	407
1646	The chromosome-level wintersweet ( <i>Chimonanthus praecox</i> ) genome provides insights into floral scent biosynthesis and flowering in winter. <b>2020</b> , 21, 200	23



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1644	Surface segregation in Cr-Mn-Fe-Co-Ni high entropy alloys. <b>2020</b> , 533, 147471	21
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1642	Hydrogel soft robotics. <b>2020</b> , 15, 100258	69
1641	CRISPR/Cas systems to overcome challenges in developing the next generation of T cells for cancer therapy. <b>2020</b> , 158, 17-35	10
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1639	Sulfur-based redox chemistry for electrochemical energy storage. <b>2020</b> , 422, 213445	11
1638	The evolution of knowledge within and across fields in modern physics. <b>2020</b> , 10, 12097	11
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1636	Photoelectrons Mediating Angiogenesis and Immunotherapy through Heterojunction Film for Noninvasive Disinfection. <b>2020</b> , 7, 2000023	18
1635	Protein Corona of Nanoparticles and Its Application in Drug Delivery. <b>2020</b> , 389-419	
1634	Room-temperature NO <sub>2</sub> sensor based on a hybrid nanomaterial of methylammonium tin iodide submicron spheres and tin dioxide nanowires. <b>2020</b> , 188, 107-111	5
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1632	Assessment of the epigenetic nature of chromosomal proteins during DNA replication and mitosis. <b>2020</b> , 447-476	
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1629	Production of bacterial cellulose from tofu liquid waste and rice-washed water: morphological property and its functional groups analysis. <b>2020</b> , 483, 012005	1
1628	Towards high energy density LiS batteries with high sulfur loading: From key issues to advanced strategies. <b>2020</b> , 32, 320-355	39

1627	Advances in chemical sensing technology for enabling the next-generation self-sustainable integrated wearable system in the IoT era. <b>2020</b> , 78, 105155	59
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1619	Non-Abelian Dirac node braiding and near-degeneracy of correlated phases at odd integer filling in magic-angle twisted bilayer graphene. <b>2020</b> , 102,	47
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1616	Innate immune evasion by SARS-CoV-2: Comparison with SARS-CoV. <b>2020</b> , 30, 1-9	30
1615	From spent graphite to recycle graphite anode for high-performance lithium ion batteries and sodium ion batteries. <b>2020</b> , 356, 136856	36
1614	Pressure-induced the formation of $Mg(CH_3)_2$ and $Ca(CH_3)_2$ studied by the first principles. <b>2020</b> , 320, 114027	
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1611	Investigating the potential of fish oil as a nutraceutical in an animal model of early life stress. <b>2020</b> , 1-23	9
1610	Photoelectron ionization time of aligned molecules clocked by attosecond angular streaking. <b>2020</b> , 102,	5

1609	Metal-Catalyzed Hydrogenation of Biomass-Derived Furfural: Particle Size Effects and Regulation Strategies. <b>2020</b> , 13, 5185-5198	19
1608	Electrodeposition of NiBeMn ternary nanosheets as affordable and efficient electrocatalyst for both hydrogen and oxygen evolution reactions. <b>2020</b> , 45, 24670-24683	11
1607	Preparation of LiFePO <sub>4</sub> /Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite cathode materials and their electrochemical performance analysis. <b>2020</b> , 847, 156447	2
1606	Scalable, Highly Conductive, and Micropatternable MXene Films for Enhanced Electromagnetic Interference Shielding. <b>2020</b> , 3, 546-557	62
1605	Multilanguage-handwriting self-powered recognition based on triboelectric nanogenerator enabled machine learning. <b>2020</b> , 77, 105174	35
1604	Auto-segmentation technique for SEM images using machine learning: Asphaltene deposition case study. <b>2020</b> , 217, 113074	5
1603	Analysis of exome-sequenced UK Biobank subjects implicates genes affecting risk of hyperlipidaemia. <b>2020</b> , 131, 277-283	1
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1600	Development of multiplex genome editing toolkits for citrus with high efficacy in biallelic and homozygous mutations. <b>2020</b> , 104, 297-307	23
1599	Nanoplastics affect moulting and faecal pellet sinking in Antarctic krill ( <i>Euphausia superba</i> ) juveniles. <b>2020</b> , 143, 105999	23
1598	Genome-wide identification and expression profile of the sox gene family in different tissues and during embryogenesis in the Pacific white shrimp ( <i>Litopenaeus vannamei</i> ). <b>2020</b> , 763, 144956	1
1597	Influence of aqueous carbonate species on hydration and carbonation of reactive MgO cement. <b>2020</b> , 41, 101260	9
1596	The effects of membrane surface wettability on pore wetting and scaling reversibility associated with mineral scaling in membrane distillation. <b>2020</b> , 614, 118503	28
1595	Complete loss of ATM function augments replication catastrophe induced by ATR inhibition and gemcitabine in pancreatic cancer models. <b>2020</b> , 123, 1424-1436	15
1594	A mixed culture of bacterial cells enables an economic DNA storage on a large scale. <b>2020</b> , 3, 416	6
1593	Unusual phase-pure zinc blende and highly-crystalline As-rich InAs <sub>1-x</sub> Sbx nanowires for high-mobility transistors. <b>2020</b> , 8, 13189-13196	3
1592	Thermoplastic multifunctional polysiloxane-based materials from broad gradient-transition multiphase separation. <b>2020</b> , 8, 16376-16384	21

1591	Carbonization of 3D printed polymer structures for CMOS-compatible electrochemical sensors. <b>2020</b> , 38, 052203	4
1590	High-value utilization of biomass waste: from garbage floating on the ocean to high-performance rechargeable ZnMnO <sub>2</sub> batteries with superior safety. <b>2020</b> , 8, 18198-18206	13
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1587	Coral reef-like MoS <sub>2</sub> microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. <b>2020</b> , 55, 14389-14400	10
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1583	Increased future occurrences of the exceptional 2018-2019 Central European drought under global warming. <b>2020</b> , 10, 12207	79
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1576	Isolated Ni single atoms in nitrogen doped ultrathin porous carbon templated from porous g-C <sub>3</sub> N <sub>4</sub> for high-performance CO <sub>2</sub> reduction. <b>2020</b> , 77, 105158	40
1575	Reduced Brd1 expression leads to reversible depression-like behaviors and gene-expression changes in female mice. <b>2020</b> , 10, 239	3
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1572	The outlier <i>Pseudomonas aeruginosa</i> strain ATCC 9027 harbors a defective LasR quorum-sensing transcriptional regulator. <b>2020</b> , 367,	8
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1563	Efficient photoreforming of lignocellulose into H <sub>2</sub> and photocatalytic CO <sub>2</sub> reduction via in-plane surface dyadic heterostructure of porous polymeric carbon nitride. <b>2020</b> , 170, 199-212	18
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1558	Modeling of CZTSSe solar photovoltaic cell for window layer optimization. <b>2020</b> , 222, 165407	8
1557	Electromagnetic-triboelectric-hybrid energy tile for biomechanical green energy harvesting. <b>2020</b> , 77, 105250	15
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1540	Confirmation bias without rhyme or reason. <b>2020</b> , 1	4
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1537	Nonlinear Volume Holography in 3D Nonlinear Photonic Crystals. <b>2020</b> , 14, 2000224	5
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1535	Building on Gleiter: The Foundations and Future of Deformation Processing of Nanocrystalline Metals. <b>2020</b> , 51, 6020-6044	7
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1530	Visualizing NH emission and the local O and pH microenvironment of soil upon manure application using optical sensors. <b>2020</b> , 144, 106080	8
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1525	Inkjet printing-based fabrication of microscale 3D ice structures. <b>2020</b> , 6, 89	7
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1520	Effect of photoperiod and light intensity on learning ability and memory formation of the pond snail Lymnaea stagnalis. <b>2020</b> , 20, 18	3

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1517	Phenolic Compounds Promote Diversity of Gut Microbiota and Maintain Colonic Health. <b>2021</b> , 66, 3270-3289	9
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1462	Gas adsorption properties (N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , NO, NO <sub>2</sub> , CO, CO <sub>2</sub> , and SO <sub>2</sub> ) on a Sc <sub>2</sub> CO <sub>2</sub> monolayer: a first-principles study. <b>2020</b> , 44, 18763-18769		8
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1456	Unveiling the influence of surrounding materials and realization of multi-level storage in resistive switching memory. <b>2020</b> , 12, 22070-22074		2
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1453	Energy conversion systems: Molecular architecture engineering of metal precursors and their applications to vapor phase and solution routes. <b>2020</b> , 35, 2950-2966		2
1452	Advanced Materials and Systems for Biodegradable, Transient Electronics. <b>2020</b> , 32, e2002211		38
1451	Electrically conducting polymers for bio-interfacing electronics: From neural and cardiac interfaces to bone and artificial tissue biomaterials. <b>2020</b> , 170, 112620		26
1450	Challenges and opportunities toward fast-charging of lithium-ion batteries. <b>2020</b> , 32, 101837		40
1449	Tribo-catalytic degradation of organic pollutants through bismuth oxyiodate triboelectrically harvesting mechanical energy. <b>2020</b> , 78, 105290		27
1448	Mechanically interlocked stretchable nanofibers for multifunctional wearable triboelectric nanogenerator. <b>2020</b> , 78, 105358		36

1447	Upconversion emission studies of single particles. <b>2020</b> , 35, 100956		20
1446	Microporous organic polymer-based membranes for ultrafast molecular separations. <b>2020</b> , 110, 101308		34
1445	Synthesis of metal-organic frameworks (MOFs) and its application in food packaging: A critical review. <b>2020</b> , 104, 102-116		50
1444	Competing orders at higher-order Van Hove points. <b>2020</b> , 102,		7
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1442	Ultrafine CoO nanolayer-shelled CoWP nanowire array: a bifunctional electrocatalyst for overall water splitting.. <b>2020</b> , 10, 29326-29335		9
1441	All downhill from the PhD? The typical impact trajectory of U.S. academic careers. <b>2020</b> , 1, 1334-1348		2
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1438	Exploration and Investigation of Periodic Elements for Electrocatalytic Nitrogen Reduction. <b>2020</b> , 16, e2002885		34
1437	Risk of extreme high fatalities due to weather and climate hazards and its connection to large-scale climate variability. <b>2020</b> , 162, 507-525		6
1436	Crosstalk-free colloidosomes for high throughput single-molecule protein analysis. <b>2020</b> , 63, 1507-1514		4
1435	Endo-xylanase induced xylooligosaccharide production from corn cobs, its structural features, and concentration-dependent antioxidant activities. <b>2020</b> , 1		7
1434	Identification of molecular quantum states using phase-sensitive forces. <i>Nature Communications</i> , <b>2020</b> , 11, 4470	17.4	2
1433	Mapping and identification of soft corona proteins at nanoparticles and their impact on cellular association. <i>Nature Communications</i> , <b>2020</b> , 11, 4535	17.4	46
1432	Knowledge and social relatedness shape research portfolio diversification. <b>2020</b> , 10, 14232		3
1431	In-plane anisotropic third-harmonic generation from germanium arsenide thin flakes. <b>2020</b> , 10, 14282		12
1430	Near wall Prandtl number effects on velocity gradient invariants and flow topologies in turbulent Rayleigh-BBard convection. <b>2020</b> , 10, 14887		0

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1427	Combination of guanidinium and quaternary ammonium polymers with distinctive antimicrobial mechanisms achieving a synergistic antimicrobial effect. <b>2020</b> , 8, 6920-6929	10
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1424	Treatment of skin infection using rifampicin loaded lipid nanoparticles.. <b>2020</b> , 10, 33608-33619	8
1423	Grassland ecosystem recovery after soil disturbance depends on nutrient supply rate. <b>2020</b> , 23, 1756-1765	12
1422	The opportunities and challenges of an Ebola modeling research coordination group. <b>2020</b> , 14, e0008158	1
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1419	DFT and experimental study of nano red phosphorus anchoring on sulfurized polyacrylonitrile for lithium-ion batteries. <b>2020</b> , 56, 12857-12860	3
1418	Mitofusin 2 but not mitofusin 1 mediates Bcl-XL-induced mitochondrial aggregation. <b>2020</b> , 133,	3
1417	Elliptical metallic rings-shaped fractal metamaterial absorber in the visible regime. <b>2020</b> , 10, 14035	40
1416	A spinel ferrite catalyst for efficient electroreduction of dinitrogen to ammonia. <b>2020</b> , 49, 12559-12564	2
1415	Diversifying Displays of Biological Sex and Sexual Behaviour in a Natural History Museum. <b>2020</b> , 72, 152-161	1
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1413	Influence of Pore Characteristics on Anisotropic Mechanical Behavior of Laser Powder Bed Fusion Manufactured Metal by Micromechanical Modeling. <b>2020</b> , 22, 2000641	2
1412	Hydrogel Microlasers for Versatile Biomolecular Analysis Based on a Lasing Microarray. <b>2020</b> , 1, 2000041	8

1411	Thermally Regenerable Redox Flow Battery. <b>2020</b> , 13, 5460-5467	11
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1405	Mechanochemical Synthesis of N-Aryl Amides from O-Protected Hydroxamic Acids. <b>2020</b> , 85, 1754-1761	4
1404	Enhancing the water splitting performance decorating CoO nanoarrays with ruthenium doping and phosphorization.. <b>2020</b> , 10, 27235-27241	3
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1400	Preference, performance, and impact of the water-lily aphid on multiple species of duckweed. <b>2020</b> , 45, 1466-1475	1
1399	Fabrication and characterization of inkjet-printed 2D perovskite optoelectronic devices. <b>2020</b> , 38, 052202	2
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1380	Ecological performance differs between range centre and trailing edge populations of a cold-water kelp: implications for estimating net primary productivity. <b>2020</b> , 167, 1	5
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1374	Contiguous and stochastic CHH methylation patterns of plant DRM2 and CMT2 revealed by single-read methylome analysis. <b>2020</b> , 21, 194	5
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1360	Identifying CHN structural isomers using fs-laser induced breakdown spectroscopy. <b>2020</b> , 145, 7372-7379	2
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1353	Multiscale analysis of lignocellulose recalcitrance towards OrganoCat pretreatment and fractionation. <b>2020</b> , 13, 155	6
1352	The Other Side of Alzheimer's Disease: Influence of Metabolic Disorder Features for Novel Diagnostic Biomarkers. <b>2020</b> , 10,	4
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1350	Mg-catalyzed one-pot preparation of benzimidazoles and spirooxindoles by an immobilized chlorophyll b on magnetic nanoparticles. <b>2020</b> , 34, e5997	2
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1342	Uncontactless detection of improvised explosives TATP realized by Au NCs tailored PPV flexible photoelectric Schottky sensor. <b>2020</b> , 1, 419-431	3
1341	Parallel analysis of miRNAs and mRNAs suggests distinct regulatory networks in <i>Crassostrea gigas</i> infected by Ostreid herpesvirus 1. <b>2020</b> , 21, 620	4
1340	Protic Ionic Liquids-Based Crosslinked Polymer Electrolytes: A New Class of Solid Electrolytes for Energy Storage Devices. <b>2020</b> , 8, 2000742	7

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1336	Miniature Fluorescence Microscopy for Imaging Brain Activity in Freely-Behaving Animals. <b>2020</b> , 36, 1182-1190	9
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1334	Emerging Technologies and Materials for High-Resolution 3D Printing of Microfluidic Chips. <b>2020</b> , 1	4
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1332	CryoEM structure of the low-complexity domain of hnRNPA2 and its conversion to pathogenic amyloid. <i>Nature Communications</i> , <b>2020</b> , 11, 4090	17.4 36
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1329	SrFe <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> nanoparticles with enhanced redox properties for catalytic combustion of benzene. <b>2020</b> , 10, 6342-6349	2
1328	A review of molybdenum disulfide (MoS <sub>2</sub> ) based photodetectors: from ultra-broadband, self-powered to flexible devices.. <b>2020</b> , 10, 30529-30602	83
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1325	Tailoring the electronic structure by constructing the heterointerface of RuO <sub>2</sub> /NiO for overall water splitting with ultralow overpotential and extra-long lifetime. <b>2020</b> , 8, 18945-18954	13
1324	Independent Tuning of Nano-Ligand Frequency and Sequences Regulates the Adhesion and Differentiation of Stem Cells. <b>2020</b> , 32, e2004300	18
1323	Visual detection and fruit selection by the mantled howler monkey ( <i>Alouatta palliata</i> ). <b>2020</b> , 82, e23186	1
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1321	Studying the change in organic light-emitting diode performance at various vacuum-deposition rates of hole and electron transport layers. <b>2020</b> , 43, 1	
1320	Control of Light by Topological Solitons in Soft Chiral Birefringent Media. <b>2020</b> , 10,	10
1319	Defect-Enhanced CO Reduction Catalytic Performance in O-Terminated MXenes. <b>2020</b> , 13, 5690-5698	24
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1315	The effect of local chemical ordering on Frank-Read source activation in a refractory multi-principal element alloy. <b>2020</b> , 134, 102850	17
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1313	Characterizing the contribution of high temperatures to child undernourishment in Sub-Saharan Africa. <b>2020</b> , 10, 18796	10
1312	Efficiency enhancement of CZTSSe solar cells via screening the absorber layer by examining of different possible defects. <b>2020</b> , 10, 21813	13
1311	Chiroptical property enhancement of chiral Eu(III) complex upon association with DNA-CTMA. <b>2020</b> , 10, 18917	2
1310	Light source optimization for partially coherent holographic displays with consideration of speckle contrast, resolution, and depth of field. <b>2020</b> , 10, 18832	9
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1302	Triboluminescence of trans-stilbene, p-terphenyl and polycyclic aromatic hydrocarbons. <b>2020</b> , 109, 110402	3
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1295	Renormalization Group Study of Hidden Symmetry in Twisted Bilayer Graphene with Coulomb Interactions. <b>2020</b> , 125, 257602	28
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1291	An Ultrahigh Sensitive Paper-Based Pressure Sensor with Intelligent Thermotherapy for Skin-Integrated Electronics. <b>2020</b> , 10,	5
1290	Enhanced stability and photovoltaic performance of planar perovskite solar cells through anilinium thiobenzoate interfacial engineering. <b>2020</b> , 479, 228811	4
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1284	Explainable Artificial Intelligence: Objectives, Stakeholders, and Future Research Opportunities. <b>2020</b> , 1-11	32
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1282	Activation of n-pentane while prolonging HZSM-5 catalyst lifetime during its combined reaction with methanol or dimethyl ether. <b>2020</b> ,	8
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1264	Development of a Sustainable Alternative for the Ammoniacal Cyanidation of Copper-Gold Ores Through a Biological Approach. <b>2020</b> , 6, 796-808		1
1263	Reaction kinetic acceleration induced by atomic-hybridized channels in carbon quantum dot/ReS <sub>2</sub> composites for efficient Cr(VI) reduction. <b>2020</b> , 300, 119807		4
1262	Identity-by-descent detection across 487,409 British samples reveals fine scale population structure and ultra-rare variant associations. <i>Nature Communications</i> , <b>2020</b> , 11, 6130	17.4	16
1261	Ni/Pd-catalyzed Suzuki-Miyaura cross-coupling of alcohols and aldehydes and C-N cross-coupling of nitro and amines domino redox reactions: base-free, hydride acceptor-free.. <b>2020</b> , 10, 43962-43974		3
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1259	Thermoelectric Performance of the Half-Heusler Phases RNiSb (R=Sc,Dy,Er,Tm,Lu): High Mobility Ratio between Majority and Minority Charge Carriers. <b>2020</b> , 14,		8
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1257	Emergence of skyrmionium in a two-dimensional CrGe(Se,Te) <sub>3</sub> Janus monolayer. <b>2020</b> , 102,		40
1256	Sorting and Extraction of Self-Propelled Chiral Particles by Polarized Wall Currents. <b>2020</b> , 125, 238003		2
1255	Preparations of Tough and Conductive PAMPS/PAA Double Network Hydrogels Containing Cellulose Nanofibers and Polypyrroles. <b>2020</b> , 12,		9
1254	Dual-Polarized All-Metallic Metagratings For Perfect Anomalous Reflection. <b>2020</b> , 14,		5
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1251	Single-Atom Catalysis: An Analogy between Heterogeneous and Homogeneous Catalysts. <b>2020</b> , 1-15		1
1250	Pan-cancer landscape of homologous recombination deficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 5584	17.4	86

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1248	Observations of different effects of an anti-cyclonic eddy on internal solitary waves in the South China Sea. <b>2020</b> , 188, 102422	6
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1246	Perovskite quantum dot solar cells: Mapping interfacial energetics for improving charge separation. <b>2020</b> , 78, 105319	17
1245	Recent Advances of Heterogeneous Nanosized Hybrid Catalysts for Water Treatment Application. <b>2020</b> , 227-240	
1244	Supported Metal Nanoparticles and Single-Atoms for Catalytic CO <sub>2</sub> Utilization. <b>2020</b> , 241-266	
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1242	A connectivity map-based drug repurposing study and integrative analysis of transcriptomic profiling of SARS-CoV-2 infection. <b>2020</b> , 86, 104610	13
1241	ADVANCES IN HIGH-RESOLUTION MALDI MASS SPECTROMETRY FOR NEUROBIOLOGY. <b>2020</b> ,	4
1240	Infrastructure Is Key to Make Cities Sustainable. <b>2020</b> , 12, 8308	2
1239	Coastal Dynamic and Evolution: Case Studies from Different Sites around the World. <b>2020</b> , 12, 2829	6
1238	Core and shell platelets of a thrombus: A new microfluidic assay to study mechanics and biochemistry. <b>2020</b> , 4, 1158-1166	4
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1234	Enhanced production of taxadiene in <i>Saccharomyces cerevisiae</i> . <b>2020</b> , 19, 200	19
1233	Obesity-associated Adipose Stromal Cells Promote Breast Cancer Invasion Through Direct Cell Contact and ECM Remodeling. <b>2020</b> , 30, 1910650	8
1232	Monolithic Perovskite Tandem Solar Cells: A Review of the Present Status and Advanced Characterization Methods Toward 30% Efficiency. <b>2020</b> , 10, 1904102	159

1231	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta. <b>2020</b> , 59, 14086-14090	24
1230	Fabrication of PANI-TiO <sub>2</sub> /rGO hybrid composites for enhanced photocatalysis of pollutant removal and hydrogen production. <b>2020</b> , 156, 1008-1018	36
1229	Smartphone-based square wave voltammetry system with screen-printed graphene electrodes for norepinephrine detection. <b>2020</b> , 1, 1-9	21
1228	Nanopore sequencing and the Shasta toolkit enable efficient de novo assembly of eleven human genomes. <b>2020</b> , 38, 1044-1053	143
1227	Silica nanoparticles alleviate mercury toxicity via immobilization and inactivation of Hg(II) in soybean ( <i>Glycine max</i> ). <b>2020</b> , 7, 1807-1817	24
1226	Electrochemically enabled functionalization of indoles or anilines for the synthesis of hexafluoroisopropoxy indole and aniline derivatives. <b>2020</b> , 18, 3832-3837	9
1225	Magnesium-rich nanoprecipitates in calcite: atomistic mechanisms responsible for toughening in <i>Ophiocoma wendtii</i> . <b>2020</b> , 22, 10056-10062	2
1224	Rapid Accumulation of Mutations in Growing Mycelia of a Hypervariable Fungus <i>Schizophyllum commune</i> . <b>2020</b> , 37, 2279-2286	2
1223	Characterizing rhizome bud dormancy in <i>Polygonatum kingianum</i> : Development of novel chill models and determination of dormancy release mechanisms by weighted correlation network analysis. <b>2020</b> , 15, e0231867	4
1222	An information theory approach to biocultural complexity. <b>2020</b> , 10, 7203	
1221	In-situ Synchrotron imaging of keyhole mode multi-layer laser powder bed fusion additive manufacturing. <b>2020</b> , 20, 100650	20
1220	A review of photovoltaic performance of organic/inorganic solar cells for future renewable and sustainable energy technologies. <b>2020</b> , 143, 106549	38
1219	Local features and global shape information in object classification by deep convolutional neural networks. <b>2020</b> , 172, 46-61	15
1218	A self-operating broadband spectrometer on a droplet. <i>Nature Communications</i> , <b>2020</b> , 11, 2263	17.4 7
1217	Self-aligned 3D microlenses in a chip fabricated with two-photon stereolithography for highly sensitive absorbance measurement. <b>2020</b> , 20, 2334-2342	7
1216	Total dose test with E-ray for silicon single photon avalanche diodes. <b>2020</b> , 29, 088501	1
1215	Coherent quantum enhancement of pair production in the null domain. <b>2020</b> , 101,	8
1214	Omniphobic PVDF nanofibrous membrane for superior anti-wetting performance in direct contact membrane distillation. <b>2020</b> , 608, 118226	37



1213	Recent advances in synthesis and application of organic near-infrared fluorescence polymers. <b>2020</b> , 55, 9918-9947	13
1212	Catalytic behavior tuning via structural modifications of silylated-diphosphine Ni(II) complexes for ethylene selective dimerization. <b>2020</b> , 34, e5722	2
1211	A bioinspired molybdenum-copper molecular catalyst for CO electroreduction. <b>2020</b> , 11, 5503-5510	17
1210	Recent understanding of Antarctic supraglacial lakes using satellite remote sensing. <b>2020</b> , 44, 837-869	11
1209	Reversible Photoinduced Phase Segregation and Origin of Long Carrier Lifetime in Mixed-Halide Perovskite Films. <b>2020</b> , 30, 2002622	16
1208	Centimeter-Sized Single Crystal of Two-Dimensional Halide Perovskites Incorporating Straight-Chain Symmetric Diammonium Ion for X-Ray Detection. <b>2020</b> , 59, 14896-14902	58
1207	Zeolite in tissue engineering: Opportunities and challenges. <b>2020</b> , 1, 5-34	26
1206	Asian dust from land to sea: processes, history and effect from modern observation to geological records. <b>2020</b> , 157, 701-706	6
1205	Extra lithium-ion storage capacity enabled by liquid-phase exfoliated indium selenide nanosheets conductive network. <b>2020</b> , 13, 2124-2133	20
1204	Electric field triggered release of gas from a quasi-one-dimensional hydrate in the carbon nanotube. <b>2020</b> , 12, 12801-12808	8
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1202	Steering of the Skyrmion Hall Angle by Gate Voltages. <b>2020</b> , 124, 207202	2
1201	Tasting improvement in fruit flavor using genomics. <b>2020</b> , 226, 1539-1540	1
1200	Tuning of the Electronic and Vibrational Properties of Transition Metal Selenides TSe <sub>2</sub> (T = Os, Ru) and Their Metallization at High Pressures. <b>2020</b> , 111, 456-462	1
1199	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. <b>2020</b> , 59, 13557-13561	91
1198	High-Resolution Gridded Population Projections for China Under the Shared Socioeconomic Pathways. <b>2020</b> , 8, e2020EF001491	13
1197	Building Lithiophilic Ion-Conduction Highways on Garnet-Type Solid-State Li <sup>+</sup> Conductors. <b>2020</b> , 10, 1904230	37
1196	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta. <b>2020</b> , 132, 14190-14194	9

1195	Inverse Vulcanized Polymers with Shape Memory, Enhanced Mechanical Properties, and Vitriimer Behavior. <b>2020</b> , 59, 13371-13378	31
1194	Enhanced Thermoelectric Properties in p-Type Double Half-Heusler $Ti_{2-x}Hf_yFeNiSb_{2-x}Sn_x$ Compounds. <b>2020</b> , 217, 2000096	7
1193	Estimating global mean sea-level rise and its uncertainties by 2100 and 2300 from an expert survey. <b>2020</b> , 3,	23
1192	Theoretical calculation on the substituent effect of strontium para-tetraphenyl porphyrins. <b>2020</b> , 31, 1785-1792	1
1191	COVID-19 and Cancer: a Comprehensive Review. <b>2020</b> , 22, 53	147
1190	Exploring how hydrogen at gold-sulfur interface affects spin transport in single-molecule junction. <b>2020</b> , 29, 088503	0
1189	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. <b>2020</b> , 132, 13659-13663	7
1188	Harnessing Effective Molarity to Design an Electrochemical DNA-based Platform for Clinically Relevant Antibody Detection. <b>2020</b> , 59, 14973-14978	15
1187	Wafer-Scale Fabrication of Nanopore Devices for Single-Molecule DNA Biosensing using MoS <sub>2</sub> . <b>2020</b> , 4, 2000072	21
1186	Application of Derivatization in Fatty Acids and Fatty Acyls Detection: Mass Spectrometry-Based Targeted Lipidomics. <b>2020</b> , 4, 2000160	17
1185	Ultrafast Relaxation Dynamics and Nonlinear Response of Few-Layer Niobium Carbide MXene. <b>2020</b> , 4, 2000250	47
1184	Light-powered Escherichia coli cell division for chemical production. <i>Nature Communications</i> , <b>2020</b> , 11, 2262	17.4 23
1183	Surface-functionalized palladium catalysts for electrochemical CO <sub>2</sub> reduction. <b>2020</b> , 8, 15884-15890	28
1182	Nanozyme-based electrochemical biosensors for disease biomarker detection. <b>2020</b> , 145, 4398-4420	60
1181	An Overview of Bacterial Cellulose in Flexible Electrochemical Energy Storage. <b>2020</b> , 13, 3731	12
1180	Using Kaya and LMDI models to analyze carbon emissions from the energy consumption in China. <b>2020</b> , 27, 26495-26501	7
1179	Boosting the bifunctional oxygen electrocatalytic performance of atomically dispersed Fe site via atomic Ni neighboring. <b>2020</b> , 274, 119091	56
1178	Individual-specific and shared representations during episodic memory encoding and retrieval. <b>2020</b> , 217, 116909	8

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1176	Exploring the fitness benefits of genome reduction in <i>Escherichia coli</i> by a selection-driven approach. <b>2020</b> , 10, 7345		7
1175	Multiplex bioimaging of single-cell spatial profiles for precision cancer diagnostics and therapeutics. <b>2020</b> , 4, 11		27
1174	Building an artificial solid electrolyte interphase on spinel lithium manganate for high performance aqueous lithium-ion batteries. <b>2020</b> , 49, 8136-8142		7
1173	Modification of crystalline energetic salts through polymorphic transition: enhanced crystal density and energy performance. <b>2020</b> , 22, 4130-4135		2
1172	Plant and animal chromatin three-dimensional organization: similar structures but different functions. <b>2020</b> , 71, 5119-5128		15
1171	Transcriptomic and physiological analyses of rice seedlings under different nitrogen supplies provide insight into the regulation involved in axillary bud outgrowth. <b>2020</b> , 20, 197		5
1170	Ordered Large-Pore MesoMOFs Based on Synergistic Effects of TriBlock Polymer and Hofmeister Ion. <b>2020</b> , 59, 14124-14128		20
1169	Whole genome sequence analysis of <i>Cupriavidus campinensis</i> S14E4C, a heavy metal resistant bacterium. <b>2020</b> , 47, 3973-3985		5
1168	Chaos-assisted two-octave-spanning microcombs. <i>Nature Communications</i> , <b>2020</b> , 11, 2336	17.4	36
1167	Uniform conductivity in stretchable silicones via multiphase inclusions. <b>2020</b> , 16, 5827-5839		12
1166	Molecular Dynamics Simulation of Effects of Stretching and Compressing on Thermal Conductivity of Aligned Silicon Oxygen Chains. <b>2020</b> , 37, 046601		2
1165	Active colloidal molecules assembled via selective and directional bonds. <i>Nature Communications</i> , <b>2020</b> , 11, 2670	17.4	13
1164	Friedel oscillations and dynamical density of states of an inhomogeneous Luttinger liquid. <b>2020</b> , 95, 075710		1
1163	Dynamic extracellular matrix stiffening induces a phenotypic transformation and a migratory shift in epithelial cells. <b>2020</b> , 12, 161-174		8
1162	<i>Schizophyllum commune</i> induced oxidative stress and immunosuppressive activity in <i>Spodoptera litura</i> . <b>2020</b> , 20, 139		1
1161	Early circulating tumour DNA kinetics measured by ultra-deep next-generation sequencing during radical radiotherapy for non-small cell lung cancer: a feasibility study. <b>2020</b> , 15, 132		5
1160	Polymeric membranes for desalination using membrane distillation: A review. <b>2020</b> , 490, 114530		60

1159	Quantum interference device for controlled two-qubit operations. <b>2020</b> , 6,	4
1158	Single-cell technologies in hepatology: new insights into liver biology and disease pathogenesis. <b>2020</b> , 17, 457-472	44
1157	Site-specific ubiquitination affects protein energetics and proteasomal degradation. <b>2020</b> , 16, 866-875	15
1156	Low-bandgap push-pull molecules in polymer matrices for use in thin-film organic photovoltaic devices. <b>2020</b> , 98, 564-574	1
1155	A Surface Chemistry Approach to Tailoring the Hydrophilicity and Lithiophilicity of Carbon Films for Hosting High-Performance Lithium Metal Anodes. <b>2020</b> , 30, 2000585	12
1154	An Organic Laser Dye having a Small Singlet-Triplet Energy Gap Makes the Selection of a Host Material Easier. <b>2020</b> , 30, 2001078	14
1153	Coastal settlement patterns and exposure to sea-level rise in the Jaffna Peninsula, Sri Lanka. <b>2020</b> , 42, 129-145	3
1152	Electrochemical CO <sub>2</sub> reduction on heterogeneous cobalt phthalocyanine catalysts with different carbon supports. <b>2020</b> , 754, 137655	12
1151	Re:(In) visible impact of inadequate WaSH Provision on COVID-19 incidences can be not be ignored in large and megacities of India. <b>2020</b> , 185, 34-36	6
1150	Ultrafast reprogrammable multifunctional vanadium-dioxide-assisted metasurface for dynamic THz wavefront engineering. <b>2020</b> , 10, 8950	33
1149	Chemical methods for modification of proteins. <b>2020</b> , 18, 4669-4691	24
1148	3D printing and growth induced bending based on PET-RAFT polymerization. <b>2020</b> , 11, 4084-4093	18
1147	Ultrafast room-temperature synthesis of porous S-doped Ni/Fe (oxy)hydroxide electrodes for oxygen evolution catalysis in seawater splitting. <b>2020</b> , 13, 3439-3446	173
1146	Cloning and mutagenetic modification of the firefly luciferase gene and its use for bioluminescence microscopy of expression during metamorphosis. <b>2020</b> , 23, 100771	0
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1144	Driving Smart Molecular Systems by Artificial Molecular Machines. <b>2020</b> , 2, 1900169	8
1143	Inverse Vulcanized Polymers with Shape Memory, Enhanced Mechanical Properties, and Vitrimer Behavior. <b>2020</b> , 132, 13473-13480	2
1142	Heteronuclear soliton molecules in optical microresonators. <i>Nature Communications</i> , <b>2020</b> , 11, 2402	17.4 19

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1140	Self-powered integrated system of a strain sensor and flexible all-solid-state supercapacitor by using a high performance ionic organohydrogel. <b>2020</b> , 7, 2085-2096	79
1139	Hydrogenation of CO <sub>2</sub> to LPG over CuZnZr/MeSAPO-34 catalysts. <b>2020</b> , 44, 9328-9336	4
1138	Recent Advances in Vanadium-Based Aqueous Rechargeable Zinc-Ion Batteries. <b>2020</b> , 10, 2000477	103
1137	Three-dimensional entangled and twisted structures of nitrogen doped poly-(1,4-diethynylbenzene) chain combined with cobalt single atom as a highly efficient bifunctional electrocatalyst. <b>2020</b> , 275, 119107	29
1136	Adipose triglyceride lipase activity regulates cancer cell proliferation via AMP-kinase and mTOR signaling. <b>2020</b> , 1865, 158737	11
1135	CD40 DNA hypermethylation in primary gastric tumors; as a novel diagnostic biomarker. <b>2020</b> , 254, 117774	9
1134	Chatterboxes: the structural and functional diversity of cyclins. <b>2020</b> , 107, 4-20	5
1133	On-chip hydrogel arrays individually encapsulating acoustic formed multicellular aggregates for high throughput drug testing. <b>2020</b> , 20, 2228-2236	26
1132	Biosafety materials: an emerging new research direction of materials science from the COVID-19 outbreak. <b>2020</b> , 4, 1930-1953	36
1131	Use of Single-Cell -Omic Technologies to Study the Gastrointestinal Tract and Diseases, From Single Cell Identities to Patient Features. <b>2020</b> , 159, 453-466.e1	9
1130	First comprehensive computational analysis of functional consequences of SNPs in susceptibility to SARS-CoV-2 among different populations. <b>2021</b> , 39, 3576-3593	49
1129	Battery-Less Soft Millirobot That Can Move, Sense, and Communicate Remotely by Coupling the Magnetic and Piezoelectric Effects. <b>2020</b> , 7, 2000069	40
1128	Ordered Large-Pore MesMOFs Based on Synergistic Effects of TriBlock Polymer and Hofmeister Ion. <b>2020</b> , 132, 14228-14232	7
1127	Ultra-dispersed biomimetic nanoplatform fabricated by controlled etching agglomerated MnO <sub>2</sub> for enhanced photodynamic therapy and immune activation. <b>2020</b> , 397, 125478	7
1126	Lighting up single-mRNA translation dynamics in living cells. <b>2020</b> , 61, 75-82	4
1125	Atomically embedded asymmetrical dual-metal dimers on N-doped graphene for ultra-efficient nitrogen reduction reaction. <b>2020</b> , 388, 77-83	66
1124	Near-infrared photocontrolled therapeutic release via upconversion nanocomposites. <b>2020</b> , 324, 104-123	16

1123	Controlling the Chirping of Chorus Waves via Magnetic Field Inhomogeneity. <b>2020</b> , 47, e2020GL087791	10
1122	MetalOrganic Frameworks as Possible Candidates for Photocatalytic Degradation of Dyes in Wastewater. <b>2020</b> , 65-91	1
1121	Covalent Assembly of MoS Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <b>2020</b> , 59, 14621-14627	71
1120	Ultrasound supported synthesis of tantalum carbide integrated functionalized carbon composite for the voltammetric determination of the antibacterial drug nitrofurantoin in pharmaceutical samples. <b>2020</b> , 187, 342	7
1119	High-performance three-dimensional nanoporous gold based electrodes for flexible all-solid-state supercapacitors. <b>2020</b> , 27, 1309-1317	1
1118	Tuning the Electronic and Optical Properties of Sc <sub>2</sub> CF <sub>2</sub> MXene Monolayer Using Biaxial Strain. <b>2020</b> , 49, 4892-4902	4
1117	Aboveground tree growth is a minor and decoupled fraction of boreal forest carbon input. <b>2020</b> , 290, 108030	16
1116	Inductive effect between atomically dispersed iridium and transition-metal hydroxide nanosheets enables highly efficient oxygen evolution reaction. <b>2020</b> , 395, 125149	32
1115	Bifunctional and binder-free S-doped Ni-P nanospheres electrocatalyst fabricated by pulse electrochemical deposition method for overall water splitting. <b>2020</b> , 577, 265-278	15
1114	New Donor-Acceptor polymers with a wide absorption range for photovoltaic applications. <b>2020</b> , 205, 211-220	6
1113	Evolutionary Algorithm-Guided Voxel-Encoding Printing of Functional Hard-Magnetic Soft Active Materials. <b>2020</b> , 2, 2000060	45
1112	Mapping <i>Solanum chacoense</i> mediated Colorado potato beetle ( <i>Leptinotarsa decemlineata</i> ) resistance in a self-compatible F diploid population. <b>2020</b> , 133, 2583-2603	7
1111	ARTP mutation and adaptive laboratory evolution improve probiotic performance of <i>Bacillus coagulans</i> . <b>2020</b> , 104, 6363-6373	3
1110	A case of ROS1-rearranged lung adenocarcinoma exhibiting pleural effusion caused by crizotinib. <b>2020</b> , 11, 2063-2066	0
1109	Harnessing Effective Molarity to Design an Electrochemical DNA-based Platform for Clinically Relevant Antibody Detection. <b>2020</b> , 132, 15083-15088	5
1108	Covalent Assembly of MoS <sub>2</sub> Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <b>2020</b> , 132, 14729-14735	12
1107	Copper supported on N-heterocyclic carbene-functionalized porous organic polymer for efficient oxidative carbonylation of methanol. <b>2020</b> , 34, e5794	2
1106	Solid-State Electrolyte Materials for Sodium Batteries: Towards Practical Applications. <b>2020</b> , 7, 2693-2713	27

1105	Unconditional Accumulation of Nonclassicality in a Single-Atom Mechanical Oscillator. <b>2020</b> , 3, 2000012	1
1104	Materials applications of organofluorine compounds. <b>2020</b> , 279-327	
1103	Corrosion of light powered Pt/TiO <sub>2</sub> microrobots. <b>2020</b> , 20, 100659	5
1102	Occurrence and co-occurrence of mycotoxins in apple and apple products from China. <b>2020</b> , 118, 107354	14
1101	The toughness of porcine skin: Quantitative measurements and microstructural characterization. <b>2020</b> , 109, 103848	4
1100	Ni <sub>3</sub> Se <sub>2</sub> /NiSe <sub>2</sub> heterostructure nanoforests as an efficient bifunctional electrocatalyst for high-capacity and long-life LiO <sub>2</sub> batteries. <b>2020</b> , 468, 228308	20
1099	Aqueous rechargeable sodium ion batteries: developments and prospects. <b>2020</b> , 17, 100432	18
1098	Numerical simulation studies of a fully inorganic Cs <sub>2</sub> AgBiBr <sub>6</sub> perovskite solar device. <b>2020</b> , 105, 109957	20
1097	CYLD-mutant cylindroma-like basaloid carcinoma of the anus: a genetically and morphologically distinct class of HPV-related anal carcinoma. <b>2020</b> , 33, 2614-2625	5
1096	Polypyrrole decorated metal-organic frameworks for supercapacitor devices.. <b>2020</b> , 10, 20162-20172	18
1095	Graphene decorated carbonized cellulose fabric for physiological signal monitoring and energy harvesting. <b>2020</b> , 8, 12665-12673	34
1094	Skin-inspired electronics: emerging semiconductor devices and systems. <b>2020</b> , 41, 041601	33
1093	Roasted coffee wastes as a substrate for Escherichia coli to grow and produce hydrogen. <b>2020</b> , 367,	4
1092	Operation Crayweed: Ecological and sociocultural aspects of restoring Sydney's underwater forests. <b>2020</b> , 21, 74-85	9
1091	Deep slab seismicity limited by rate of deformation in the transition zone. <b>2020</b> , 6, eaaz7692	9
1090	Recent advances in mass spectrometry based clinical proteomics: applications to cancer research. <b>2020</b> , 17, 17	65
1089	Petrogenesis of the Dog Lake Granite Chain, Quetico Basin, Superior Province, Canada: Implications for Neoproterozoic crustal growth. <b>2020</b> , 346, 105828	3
1088	Anodic electrochemiluminescence from CsPbBr <sub>3</sub> perovskite quantum dots for an alkaline phosphatase assay. <b>2020</b> , 56, 8099-8102	14

1087	Balancing the pre-aggregation and crystallization kinetics enables high efficiency slot-die coated organic solar cells with reduced non-radiative recombination losses. <b>2020</b> , 13, 2467-2479	36
1086	A sugar-lectin rich interface between soft tissue and the stiff byssus of <i>Atrina pectinata</i> . <b>2020</b> , 8, 3751-3759	1
1085	CRISPRpred(SEQ): a sequence-based method for sgRNA on target activity prediction using traditional machine learning. <b>2020</b> , 21, 223	9
1084	Simulation studies to quantify the impacts of point defects: An investigation of Cs <sub>2</sub> AgBiBr <sub>6</sub> perovskite solar devices utilizing ZnO and Cu <sub>2</sub> O as the charge transport layers. <b>2020</b> , 184, 109865	14
1083	Growth of primordial continents by cycles of oceanic lithosphere subductions: Evidence from tilted seismic anisotropy supported by geochemical and petrological findings. <b>2020</b> , 5, 50-68	1
1082	Effective suppression of lithium dendrite growth using fluorinated polysulfonamide-containing single-ion conducting polymer electrolytes. <b>2020</b> , 1, 873-879	6
1081	Challenges and strategies relating to device function layers and their integration toward high-performance inorganic perovskite solar cells. <b>2020</b> , 12, 14369-14404	43
1080	Charge transfer characteristics of fullerene-free polymer solar cells via multi-state electronic coupling treatment. <b>2020</b> , 4, 4137-4157	2
1079	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating $\beta 1$ Integrin and Initiating Rac and RhoA Signaling. <b>2020</b> , 32, e2002566	26
1078	Glutaredoxin represses transcriptional and developmental responses to nitrate in roots. <b>2020</b> , 4, e00227	6
1077	Fine-scale movement decisions by a large carnivore inform conservation planning in human-dominated landscapes. <b>2020</b> , 35, 1635-1649	7
1076	Improvement in Barrier Properties Using a Large Lateral Size of Exfoliated Graphene Oxide. <b>2020</b> , 28, 709-713	6
1075	Porous hydrogen-bonded organic frameworks (HOFs): From design to potential applications. <b>2020</b> , 399, 125873	41
1074	Facile modification of graphene oxide and its application for the aqueous uranyl ion sequestration: Insights on the mechanism. <b>2020</b> , 258, 127152	11
1073	Joint PP and PS pre-stack AVA inversion for VTI medium based on the exact Graebner equation. <b>2020</b> , 194, 107416	16
1072	A novel fluorescent probe with dual-sites for simultaneously monitoring metabolisms of cysteine in living cells and zebrafishes. <b>2020</b> , 241, 118602	12
1071	Efficient Sb <sub>2</sub> Se <sub>3</sub> /CdS planar heterojunction solar cells in substrate configuration with (hk0) oriented Sb <sub>2</sub> Se <sub>3</sub> thin films. <b>2020</b> , 215, 110603	13
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1068	Coastal Vulnerability Assessment along the North-Eastern Sector of Gozo Island (Malta, Mediterranean Sea). <b>2020</b> , 12, 1405	17
1067	Superclean Growth of Graphene Using a Cold-Wall Chemical Vapor Deposition Approach. <b>2020</b> , 59, 17214-17218	6
1066	Indium Phosphide Quantum Dots Integrated with Cadmium Sulfide Nanorods for Photocatalytic Carbon Dioxide Reduction. <b>2020</b> , 12, 4550-4557	14
1065	Structural and electronic properties of defective 2D transition metal dichalcogenide heterostructures. <b>2020</b> , 41, 1946-1955	4
1064	Tissue-engineered parathyroid gland and its regulatory secretion of parathyroid hormone. <b>2020</b> , 14, 1363-1377	
1063	Advances in Hereditary Colorectal Cancer: Opportunities and Challenges for Clinical Translation. <b>2020</b> , 8, 47-60	
1062	Polysulfide solution effects on LiS batteries performances. <b>2020</b> , 870, 114239	3
1061	Aerobic acetone-butanol-isopropanol (ABI) fermentation through a co-culture of G117 and recombinant 1A1. <b>2020</b> , 11, e00137	9
1060	Self-propelled nanofluids a coolant inspired from nature with enhanced thermal transport properties. <b>2020</b> , 313, 113548	2
1059	Achieving high thermoelectric quality factor toward high figure of merit in GeTe. <b>2020</b> , 14, 100239	37
1058	Newly developed strategies for improving sonodynamic therapy. <b>2020</b> , 7, 2028-2046	77
1057	A three-dimensional metal-organic framework with high performance of dual cation sensing synthesized via single-crystal transformation. <b>2020</b> , 44, 11829-11834	5
1056	BdHD1, a histone deacetylase of , interacts with two drought-responsive transcription factors, BdWRKY24 and BdMYB22. <b>2020</b> , 15, 1774715	0
1055	Structural Features of Porous CoFe Nanocubes and Their Performance for Oxygen-involving Energy Electrocatalysis. <b>2020</b> , 7, 3725-3732	3
1054	Thin film solar cells based on Ag-substituted CuSbS <sub>2</sub> absorber. <b>2020</b> , 400, 125906	11
1053	Mussel-inspired, self-healing polymer blends. <b>2020</b> , 198, 122528	6
1052	Tuning the properties of atomically precise gold nanoclusters for biolabeling and drug delivery. <b>2020</b> , 56, 8766-8769	16

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1050	Quantifying uncertainty in a predictive model for popularity dynamics. <b>2020</b> , 101, 062311	2
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1046	Exploring cycling induced crystallographic change in NMC with X-ray diffraction computed tomography. <b>2020</b> , 22, 17814-17823	15
1045	Photo-rechargeable zinc-ion batteries. <b>2020</b> , 13, 2414-2421	46
1044	Connectability of protein cages. <b>2020</b> , 2, 2255-2264	5
1043	Hetero-deformation-induced stress in additively manufactured 316L stainless steel. <b>2020</b> , 8, 390-397	33
1042	Composition of <i>Caenorhabditis elegans</i> extracellular vesicles suggests roles in metabolism, immunity, and aging. <b>2020</b> , 42, 1133-1145	3
1041	A Rapid Advice Guideline for the Prevention of Novel Coronavirus Through Nutritional Intervention. <b>2020</b> , 9, 119-128	7
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1037	Protein Corona-Enabled Systemic Delivery and Targeting of Nanoparticles. <b>2020</b> , 22, 83	23
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1035	Zinc-Organic Battery with a Wide Operation-Temperature Window from -70 to 150 °C. <b>2020</b> , 59, 14577-14583	65
1034	An Effect of Water Presence on Surface Exfoliation of Polypropylene Film Initiated by Photodegradation. <b>2020</b> , 28, 2219-2226	5

1033	Enhancing nurses' future role in antimicrobial stewardship. <b>2020</b> , 27, 487-498	2
1032	Solvatochromic and solid-state emissive azlactone-based AIEE-active organic dye: Synthesis, photophysical properties and color-conversion LED application. <b>2020</b> , 313, 113482	2
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1030	Sign changing pairing in single layer FeSe/SrTiO <sub>3</sub> revealed by nonmagnetic impurity bound states. <b>2020</b> , 3,	4
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1028	TPP-based mitocans: a potent strategy for anticancer drug design. <b>2020</b> , 11, 858-875	13
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1026	Hybrid linear amplifier-involved detection for continuous variable quantum key distribution with thermal states. <b>2020</b> , 29, 050309	5
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1018	Novel cost-effective acceptor:P3HT based organic solar cells exhibiting the highest ever reported industrial readiness factor. <b>2020</b> , 1, 658-665	7
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1015	Biomarkers associated with COVID-19 disease progression. <b>2020</b> , 57, 389-399	263
1014	A Multi-Risk Methodology for the Assessment of Climate Change Impacts in Coastal Zones. <b>2020</b> , 12, 3697	15
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1008	Boosting C2 products in electrochemical CO2 reduction over highly dense copper nanoplates. <b>2020</b> , 10, 4562-4570	13
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996	MicroTom Metabolic Network: Rewiring Tomato Metabolic Regulatory Network throughout the Growth Cycle. <b>2020</b> , 13, 1203-1218	27
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985	Immobilization of lipase onto metal-organic frameworks for enantioselective hydrolysis and transesterification. <b>2020</b> , 66, e16292	9
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978	Toward Cardiac Regeneration: Combination of Pluripotent Stem Cell-Based Therapies and Bioengineering Strategies. <b>2020</b> , 8, 455	30
977	Wearable and Stretchable Strain Sensors: Materials, Sensing Mechanisms, and Applications. <b>2020</b> , 2, 2000039	120
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975	Multifunctional Prussian blue-based nanomaterials: Preparation, modification, and theranostic applications. <b>2020</b> , 419, 213393	27
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973	Fast, Light-Responsive, Metal-Like Polymer Actuators Generating High Stresses at Low Strain. <b>2020</b> , 2, 1522-1534	21
972	Roughness-enhanced hydrophobic graphene oxide membrane for water desalination via membrane distillation. <b>2020</b> , 611, 118364	45
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964	Achieving over 21% efficiency in inverted perovskite solar cells by fluorinating a dopant-free hole transporting material. <b>2020</b> , 8, 6517-6523	39
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957	Discovery and quantification of a widespread methane ebullition event in a coastal inlet (Baltic Sea) using a novel sonar strategy. <b>2020</b> , 10, 4393	9
956	Design of a core-shell catalyst: an effective strategy for suppressing side reactions in syngas for direct selective conversion to light olefins. <b>2020</b> , 11, 4097-4105	45
955	Emerging investigator series: capacitive deionization for selective removal of nitrate and perchlorate: impacts of ion selectivity and operating constraints on treatment costs. <b>2020</b> , 6, 925-934	11
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953	A high throughput, linear molecular beam epitaxy system for reduced cost manufacturing of GaAs photovoltaic cells: will GaAs ever be inexpensive enough?. <b>2020</b> , 4, 2035-2042	3
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944	Nanostructuring as a route to achieve ultra-strong high- and medium-entropy alloys with high creep resistance. <b>2020</b> , 830, 154656	13

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942	Detection of Fermi arcs in Weyl semimetals through surface negative refraction. <b>2020</b> , 101,	0
941	Multiplexed CRISPR technologies for gene editing and transcriptional regulation. <i>Nature Communications</i> , <b>2020</b> , 11, 1281	17.4 118
940	Effect of Thermal Annealing on Mid-Infrared Transmission in Semiconductor Alloy-Core Glass-Cladded Fibers. <b>2020</b> , 2, 178-184	5
939	One step synthesis of vesicular Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> and network of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> @graphene nanosheets with improved electrochemical performance as cathode material for sodium ion battery. <b>2020</b> , 115, 107884	7
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936	Boosting electrochemical water oxidation: the merits of heterostructured electrocatalysts. <b>2020</b> , 8, 6393-6405	29
935	Synthesis, modification and bioapplications of nanoscale copper chalcogenides. <b>2020</b> , 8, 4778-4812	14
934	Development and Differentiation in Monobodies Based on the Fibronectin Type 3 Domain. <b>2020</b> , 9,	21
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924	Membrane functionalization in artificial cell engineering. <b>2020</b> , 2, 1	11
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922	Bulk electrolysis of Zn-phthalocyanine unveils self assembled nanospheres via anion binding. <b>2020</b> , 20, 777-781	1
921	Soil carbon pool changes following semi-arid lands planting programs. <b>2020</b> , 191, 104563	2
920	Ligand engineering of colloid quantum dots and their application in all-inorganic tandem solar cells. <b>2020</b> , 50, 230-239	11
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918	Carbazoyl diketones as novel photoinitiators in photopolymerization under LEDs. <b>2020</b> , 144, 105651	4
917	Towards superior mechanical properties of hetero-structured high-entropy alloys via engineering multicomponent intermetallic nanoparticles. <b>2020</b> , 183, 39-44	21
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913	A Janus protein-based nanofabric for trapping polysulfides and stabilizing lithium metal in lithium-sulfur batteries. <b>2020</b> , 8, 7377-7389	25
912	A bioinspired hydrogen bond crosslink strategy toward toughening ultrastrong and multifunctional nanocomposite hydrogels. <b>2020</b> , 8, 4002-4015	36
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904	Human activity recognition using magnetic induction-based motion signals and deep recurrent neural networks. <i>Nature Communications</i> , <b>2020</b> , 11, 1551	17.4 34
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900	Geographic variation in the genetic basis of resistance to leaf rust between locally adapted ecotypes of the biofuel crop switchgrass ( <i>Panicum virgatum</i> ). <b>2020</b> , 227, 1696-1708	7
899	Determination of Oxygen Diffusion and Surface Exchange Coefficients of Mixed Ionic-Electronic Conductors by Oxygen Semi-Permeation Methods. <b>2020</b> , 167, 064503	5
898	The Improved Photoelectrochemical Performance of WO <sub>3</sub> /BiVO <sub>4</sub> Heterojunction Thin-Film Photoanodes via Thermal Treatment. <b>2020</b> , 8, 2000147	5
897	Anisotropic magnetoresistance and nonvolatile memory in superlattices of La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> and antiferromagnet Sr <sub>2</sub> IrO <sub>4</sub> . <b>2020</b> , 55, 8211-8219	3
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878	Untethered Octopus-Inspired Millirobot Actuated by Regular Tetrahedron Arranged Magnetic Field. <b>2020</b> , 2, 1900148		15
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743	Enhancement of pullulanase production from recombinant <i>Bacillus subtilis</i> by optimization of feeding strategy and fermentation conditions. <b>2020</b> , 10, 11	6
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723	Plasmonic responses of CuAg bimetallic system: Influence of distinctiveness and arrangements. <b>2020</b> , 100, 109655	2
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