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2273	Aerosol-Climate Interactions During the Last Glacial Maximum. 2018 , 4, 99-114	14
2272	Distinctive courtship phenotype of the Vogelkop Superb Bird-of-Paradise Mayr, 1930 confirms new species status. 2018 , 6, e4621	6
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2269	Synthesis and application of a highly branched, mechanism-based 2-deoxy-2-fluoro-oligosaccharide inhibitor of endo-xyloglucanases. 2018 , 16, 8732-8741	7
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2267	In-memory direct processing based on nanoscale perpendicular magnetic tunnel junctions. 2018 , 10, 21225-21230	17
2266	Evolution of correlated complexity in the radically different courtship signals of birds-of-paradise. 2018 , 16, e2006962	46
2265	Coherent Electron Trajectory Control in Graphene. 2018 , 121, 207401	56
2264	Development of New Mixed Anion Compounds. 2018 , 60, 246-253	1
2263	Probing Distinctive Electron Conduction in Multilayer Rhenium Disulfide. 2019 , 31, e1805860	8
2262	Cobalt-catalyzed Cℍ activation: recent progress in heterocyclic chemistry. 2018 , 8, 5983-6018	61
2261	Predicting eye movement patterns from fMRI responses to natural scenes. <i>Nature Communications</i> , 2018 , 9, 5159	21
2260	Ecologies of the colonial present: Pathological forestry from the taux de boisement to civilized plantations. 2018 , 1, 447-469	16
2259	Assembly and disassembly intermediates of maize streak geminivirus. 2018 , 525, 224-236	8

2250	Stepwise oxygenation of the Paleozoic atmosphere. <i>Nature Communications</i> , 2018 , 9, 4081	17.4	85
2257	Increasing complexity: Mechanical guidance and feedback loops as a basis for self-organization in morphogenesis. 2018 , 173, 133-156		3
2256	BilayerTernary Polymer Solar Cells Fabricated Using Spontaneous Spreading on Water. 2018 , 8, 180219	7	15
2255	Investigation of the Isolated Cr(VI) Species in Cr/MCM-41 Catalysts and its Effect on Catalytic Activity for Dehydrogenation of Propane. 2018 , 10, 5434-5440		22
2254	Titania/reduced graphene oxide composite nanofibers for the direct extraction of photosynthetic electrons from microalgae for biophotovoltaic cell applications. 2018 , 124, 1		10
2253	Plant Physiological Responses to Rising CO2 Modify Simulated Daily Runoff Intensity With Implications for Global-Scale Flood Risk Assessment. 2018 , 45, 12,457		15
2252	High-performance and scalable on-chip digital Fourier transform spectroscopy. <i>Nature Communications</i> , 2018 , 9, 4405	17.4	90
2251	Revealing particle-scale powder spreading dynamics in powder-bed-based additive manufacturing process by high-speed x-ray imaging. 2018 , 8, 15079		62
2250	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. <i>Nature Communications</i> , 2018 , 9, 4492	17.4	42
2249	Building bridges between halide perovskite nanocrystals and thin-film solar cells. 2018 , 2, 2381-2397		31
0	Spatial and orientational dependence of electron transfer parameters in aggregates of		
2248	iridium-containing host materials for OLEDs: coupling constrained density functional theory with molecular dynamics. 2018 , 20, 28393-28399		6
2248			21
·	molecular dynamics. 2018 , 20, 28393-28399 Research advances in the synthesis and applications of ferrocene-based electro and photo		
2247	molecular dynamics. 2018 , 20, 28393-28399 Research advances in the synthesis and applications of ferrocene-based electro and photo responsive materials. 2018 , 32, e4575 Covalent bond formation via a [2+2] cycloaddition reaction as a tool to alter thermal expansion		21
2247	molecular dynamics. 2018, 20, 28393-28399 Research advances in the synthesis and applications of ferrocene-based electro and photo responsive materials. 2018, 32, e4575 Covalent bond formation via a [2+2] cycloaddition reaction as a tool to alter thermal expansion parameters of organic co-crystals. 2018, 42, 16460-16463		21
2247 2246 2245	molecular dynamics. 2018, 20, 28393-28399 Research advances in the synthesis and applications of ferrocene-based electro and photo responsive materials. 2018, 32, e4575 Covalent bond formation via a [2+2] cycloaddition reaction as a tool to alter thermal expansion parameters of organic co-crystals. 2018, 42, 16460-16463 Screen printed carbon CsPbBr3 solar cells with high open-circuit photovoltage. 2018, 6, 18677-18686 Compositional and orientational control in metal halide perovskites of reduced dimensionality.		21 8 35
2247 2246 2245	molecular dynamics. 2018, 20, 28393-28399 Research advances in the synthesis and applications of ferrocene-based electro and photo responsive materials. 2018, 32, e4575 Covalent bond formation via a [2+2] cycloaddition reaction as a tool to alter thermal expansion parameters of organic co-crystals. 2018, 42, 16460-16463 Screen printed carbon CsPbBr3 solar cells with high open-circuit photovoltage. 2018, 6, 18677-18686 Compositional and orientational control in metal halide perovskites of reduced dimensionality. 2018, 17, 900-907 Effects of temperature on the fracture and fatigue damage of temperature sensitive hydrogels		21 8 35 252

2240	Pulsed Electrodeposition of Co O Nanocrystals on One-Dimensional ZnO Scaffolds for Enhanced Electrochemical Water Oxidation. 2018 , 83, 934-940	13
2239	A relay FRET event in a designed trichromophoric pentapeptide containing an o-,m-aromatic-amino acid scaffold. 2018 , 54, 9765-9768	1
2238	A Hierarchical 3D Nanostructured Microfluidic Device for Sensitive Detection of Pathogenic Bacteria. 2018 , 14, e1801893	32
2237	Enhanced photocatalytic NOx decomposition of visible-light responsive F-TiO2/(N,C)-TiO2 by charge transfer between F-TiO2 and (N,C)-TiO2 through their doping levels. 2018 , 238, 358-364	43
2236	It's not just what you have, but how you use it: solar-positional and behavioural effects on hummingbird colour appearance during courtship. 2018 , 21, 1413-1422	23
2235	Bioinspired Photonic Pigments from Colloidal Self-Assembly. 2018 , 30, e1706654	137
2234	Adding refractory 5d transition metal W into PtCo system: an advanced ternary alloy for efficient oxygen reduction reaction. 2018 , 6, 10700-10709	29
2233	Solvent dependent pathway complexity and seeded supramolecular polymerization. 2018 , 54, 5720-5723	39
2232	Rab18 is not necessary for lipid droplet biogenesis or turnover in human mammary carcinoma cells. 2018 , 29, 2045-2054	23
2231	Methane seepage inferred from pore water geochemistry in shallow sediments in the western slope of the Mid-Okinawa Trough. 2018 , 98, 306-315	23
2230	Single-cell RNAseq for the study of isoforms-how is that possible?. 2018 , 19, 110	60
2229	Material-Versatile Ultrabroadband Light Absorber with Self-Aggregated Multiscale Funnel Structures. 2018 , 10, 29884-29892	12
2228	Atomic Layer Deposition Tuning of Subwavelength Aluminum Grating for Angle-Insensitive Plasmonic Color. 2018 , 1, 5210-5216	6
2227	Nickel catalyzed site selective C-H functionalization of 🖶 ryl-thioamides. 2018 , 16, 6405-6409	6
2226	Advances in the characterization of the Scorpaena plumieri cytolytic toxin (Sp-CTx). 2018 , 150, 220-227	5
2225	A neuromorphic systems approach to in-memory computing with non-ideal memristive devices: from mitigation to exploitation. 2019 , 213, 487-510	32
2224	RNA Structure and Cellular Applications of Fluorescent Light-Up Aptamers. 2019 , 58, 1266-1279	50
2223	Metamorphism and the evolution of plate tectonics. 2019 , 572, 378-381	79

2222	A Stand-Alone Module for Solar-Driven H2 Production Coupled with Redox-Mediated Sulfide Remediation. 2019 , 7, 1900575	3
2221	Scalable production of few layered graphene by soft ball-microsphere rolling transfer. 2019 , 154, 402-409	8
2220	Long-term ambient air-stable cubic CsPbBr3 perovskite quantum dots using molecular bromine. 2019 , 1, 3388-3391	20
2219	Alginate-chitosan coated layered double hydroxide nanocomposites for enhanced oral vaccine delivery. 2019 , 556, 258-265	44
2218	An Open Source, Iterative Dual-Tree Wavelet Background Subtraction Method Extended from Automated Diffraction Pattern Analysis to Optical Spectroscopy. 2019 , 73, 1370-1379	3
2217	T3S injectisome needle complex structures in four distinct states reveal the basis of membrane coupling and assembly. 2019 , 4, 2010-2019	30
2216	Metabolic implications of organelle-mitochondria communication. 2019 , 20, e47928	46
2215	Harvesting liquid stream energy from unsteady peristaltic flow induced pulsatile Flow-TENG (PF-TENG) using slipping polymeric surface inside elastomeric tubing. 2019 , 65, 104017	31
2214	The role of laccase in stabilization of soil organic matter by iron in various plant-dominated peatlands: degradation or sequestration?. 2019 , 443, 575-590	11
2213	Challenging the point neuron dogma: FS basket cells as 2-stage nonlinear integrators. <i>Nature Communications</i> , 2019 , 10, 3664	20
2212	Mechanically interlocked materials. Rotaxanes and catenanes beyond the small molecule. 2019 , 48, 5016-503	295
2211	Hydration of ferric chloride and nitrate in aqueous solutions: water-mediated ion pairing revealed by Raman spectroscopy. 2019 , 21, 19172-19180	4
2210	Recent progress in the device architecture of white quantum-dot light-emitting diodes. 2019 , 20, 169-180	11
2209	Room-Temperature Cubic Phase Crystallization and High Stability of Vacuum-Deposited Methylammonium Lead Triiodide Thin Films for High-Efficiency Solar Cells. 2019 , 31, e1902692	30
2208	Engineering patient-specific cancer immunotherapies. 2019 , 3, 768-782	66
2207	Connection between shock wave induced indentations and hardness by means of neural networks.	3
2207	2019,	<i></i>
2206		5

2204	Hyperhomocysteinemia and myocardial remodeling in the sand rat, Psammomys obesus. 2019 , 121, 823-832	5
2203	Solvent-free vacuum growth of oriented HKUST-1 thin films. 2019 , 7, 19396-19406	29
2202	Recombinant vesicular stomatitis virus vector vaccines for WHO blueprint priority pathogens. 2019 , 15, 2269-2285	25
2201	Aggregation of molecular halide perovskite Cs4PbX6: A first-principles investigation. 2019 , 732, 136653	4
2200	Heating and cooling of quantum gas by eigenstate Joule expansion. 2019 , 100, 010106	4
2199	How RCK domains regulate gating of K+ channels. 2019 , 400, 1303-1322	9
2198	A Multilayer-Graphene/Silicon Infrared Schottky Photo-Diode. 2019 , 5, 1900594	5
2197	PTEN-mediated mitophagy and APE1 overexpression protects against cardiac hypoxia/reoxygenation injury. 2019 , 55, 741-748	7
2196	A rapid access to aliphatic sulfonyl fluorides. <i>Nature Communications</i> , 2019 , 10, 3752	40
2195	Tunable Synthesis of 3-Hydroxylisoquinolin-1,4-dione and Isoquinolin-1-one Enabled by Copper-Catalyzed Radical 6- Aza-cyclization of 2-Alkynylbenzamide. 2019 , 84, 11763-11773	29
2194	2D molecular crystal lattices: advances in their synthesis, characterization, and application. 2019 , 7, 23537-235	5624
2193	Using your ties to get a worse job? The differential effects of social networks on quality of employment in Colombia. 2019 , 77, 493-522	O
2192	Solving the missing heritability problem. 2019 , 15, e1008222	95
2191	Interaction between pitting corrosion and critical flow velocity for erosion-corrosion of 304 stainless steel under jet slurry impingement. 2019 , 158, 108084	17
2190	Fundamentals and applications of photocatalytic CO methanation. <i>Nature Communications</i> , 2019 , 10, 3169	157
2189	Neutron-induced damage simulations: Beyond defect production cross-section, displacement per atom and iron-based metrics. 2019 , 134, 1	12
2188	Studying metabolic flux adaptations in cancer through integrated experimental-computational approaches. 2019 , 17, 51	8
2187	Ultrasensitive Detection and Binding Mechanism of Cocaine in an Aptamer-based Single-molecule Device. 2019 , 37, 897-902	8

2186	Quality-by-Design Approach for Biological API Encapsulation into Polymersomes Using "Off-the-Shelf" Materials: a Study on L-Asparaginase. 2019 , 20, 251	10
2185	Double-shelled nanoporous NiO nanocrystal doped MnO/Ni network for high performance lithium-ion battery. 2019 , 320, 134542	15
2184	The project MinE databrowser: bringing large-scale whole-genome sequencing in ALS to researchers and the public. 2019 , 20, 432-440	32
2183	Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. 2019 , 131, 10033-10037	2
2182	Characterisation of structural similarities of precipitates in MgIIn and AlIInIMg alloys systems. 2019 , 99, 2619-2635	15
2181	Single-Atom Catalysts for the Electrocatalytic Reduction of Nitrogen to Ammonia under Ambient Conditions. 2019 , 14, 2770-2779	17
2180	Molecular phylogeny and timing of evolution of Anthomyza and related genera (Diptera: Anthomyzidae). 2019 , 48, 745-760	1
2179	Asymmetric dispersal is a critical element of concordance between biophysical dispersal models and spatial genetic structure in Great Barrier Reef corals. 2019 , 25, 1684-1696	18
2178	Synthesis by direct arylation reaction of photovoltaic DA polymers based on fluorene-thiophene- fragment and fluorinated benzothiadiazole derivatives. 2019 , 30, 13974-13983	O
2177	De-Risking Early-Stage Drug Development With a Bespoke Lattice Energy Predictive Model: A Materials Science Informatics Approach to Address Challenges Associated With a Diverse Chemical Space. 2019 , 108, 3176-3186	3
2176	Vinylene-Linked Covalent Organic Frameworks by Base-Catalyzed Aldol Condensation. 2019 , 58, 14865-14870	112
2175	Temporal characteristics and reliability analysis of railway transportation networks. 2019 , 15, 1825-1847	10
2174	AlCl3-promoted reaction of cycloalkanones with hydrazones: a convenient direct synthesis of 4,5,6,7-tetrahydro-1H-indazoles and their analogues. 2019 , 60, 150988	4
2173	Dual-action organoplatinum polymeric nanoparticles overcoming drug resistance in ovarian cancer. 2019 , 48, 12451-12458	6
2172	Vinylene-Linked Covalent Organic Frameworks by Base-Catalyzed Aldol Condensation. 2019 , 131, 15007-1501	2 28
2171	The first confirmed sauropod dinosaur from Ethiopia discovered in the Upper Jurassic Mugher Mudstone. 2019 , 159, 103571	
2170	A suite of kinetically superior AEP ligases can cyclise an intrinsically disordered protein. 2019 , 9, 10820	29
2169	Decomposition of factors affecting changes in non-CO greenhouse gas emission intensity of China's livestock sector based on the concept of "environment-food-economy". 2019 , 691, 611-620	6

2168	Association Between Zika Virus Microcephaly in Newborns With the rs3775291 Variant in Toll-Like Receptor 3 and rs1799964 Variant at Tumor Necrosis Factor-EGene. 2019 , 220, 1797-1801	14
2167	Nano-bio interactions: a neutrophil-centric view. 2019 , 10, 569	41
2166	Maximally stiffening composites require maximally coupled rather than maximally entangled polymer species. 2019 , 15, 6703-6717	3
2165	Biomimetic MXene Textures with Enhanced Light-to-Heat Conversion for Solar Steam Generation and Wearable Thermal Management. 2019 , 9, 1901687	128
2164	Site-Specific Synthesis of Fluorinated Butyrolactams via Decarboxylative Fluorination of Ecarboxyl-Butyrolactams. 2019 , 2019, 4710-4720	7
2163	Understanding of the Li-insertion process in a phosphate based electrode material for lithium ion batteries. 2019 , 435, 226803	11
2162	Ionic aggregation-induced emission dye with bulky counterions for preparation of bright near-infrared polymeric nanoparticles. 2019 , 11, 13977-13987	16
2161	Carbon Quantum Dot as Electron Transporting Layer in Organic Light Emitting Diode. 2019 , 4, 7450-7454	7
2160	Strain-Stabilized Ceramic-Sulfide Electrolytes. 2019 , 15, e1901470	28
2159	Improving the Performance of Perovskite Solar Cells using a Polyphosphazene Interfacing Layer. 2019 , 216, 1900436	4
2158	High photoresponse performance of self-powered n-Cu2O/p-CuI heterojunction based UV-Visible photodetector. 2019 , 296, 61-69	9
2157	Thermophysical characterisation of VO thin films hysteresis and its application in thermal rectification. 2019 , 9, 8728	18
2156	Mapping chromatin modifications at the single cell level. 2019 , 146,	27
2155	Droplet evaporation: Colloidal interactions vs. evaporation kinetics. 2019 , 578, 123555	2
2154	Efficient and Precise Genome Editing in with Recombineering and CRISPR/Cas9-Mediated Counter-Selection. 2019 , 8, 1877-1889	12
2153	Observed Northward Migration of Agro-Climate Zones in Europe Will Further Accelerate Under Climate Change. 2019 , 7, 1088-1101	31
2152	Hermiticity-tunable beam reshaping: localization, recurrence and group velocity oscillation. 2019 , 21, 103053	О
2151	Comparison among different postharvest ripening treatments based on carotene contents in mango using UVIVIS and Raman spectroscopy. 2019 , 29, 105701	4

2150	First-passage properties of asymmetric L□y flights. 2019 , 52, 454004	20
2149	Corrugation Enabled Asymmetrically Ultrastretchable (95%) Monocrystalline Silicon Solar Cells with High Efficiency (19%). 2019 , 9, 1902883	19
2148	Broadband and High-Transmission Metasurface for Converting Underwater Cylindrical Waves to Plane Waves. 2019 , 12,	20
2147	Chromosome-level genome assembly of the razor clam Sinonovacula constricta (Lamarck, 1818). 2019 , 19, 1647-1658	23
2146	Thermoresponsive Transient Radio Frequency Antennas: Toward Triggered Wireless Transient Circuits. 2019 , 4, 1900528	3
2145	Use of Nitrogen-Doped Carbon Nanodots for the Photocatalytic Fluoroalkylation of Organic Compounds. 2019 , 25, 16032	18
2144	Alterations in visual acuity and visual development in infants 1-24′months old either exposed to or infected by Zika virus during gestation, with and without microcephaly. 2019 , 23, 215.e1-215.e7	2
2143	Measurement of air-pollution inequality through a three-perspective accounting model. 2019 , 696, 133937	19
2142	Interactive effects of the rootstock and the deficit irrigation technique on wine composition, nutraceutical potential, aromatic profile, and sensory attributes under semiarid and water limiting conditions. 2019 , 225, 105733	9
2141	Benefit community promotes evolution of cooperation in prisoners dilemma game. 2019, 28, 108703	7
2140	Spontaneous spike signals originated from redox-active molecules functionalised on carbon nanotubes. 2019 , 58, SIIB18	2
2139	Sensitive and Ultrabroadband Phototransistor Based on Two-Dimensional Bi2O2Se Nanosheets. 2019 , 29, 1905806	53
2138	Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. 2019, 6, 1901736	23
2137	Optimal Interfacial Engineering with Different Length of Alkylammonium Halide for Efficient and Stable Perovskite Solar Cells. 2019 , 9, 1902740	114
2136	A new strategy for achieving single-molecular white-light emission: using vibration-induced emission (VIE) plus aggregation-induced emission (AIE) mechanisms as a two-pronged approach. 2019 , 55, 1879-1882	33
2135	Insights into flagellar function and mechanism from the squid-vibrio symbiosis. 2019 , 5, 32	15
2134	Graphene Composites. 2019 , 1-25	О
2133	Enhanced light-matter interaction in an atomically thin semiconductor coupled with dielectric nano-antennas. <i>Nature Communications</i> , 2019 , 10, 5119	42

2132	A suboxic chlorophyll-a maximum persists within the Pacific oxygen minimum zone off Mexico. 2019 , 169-170, 104686	6
2131	Histone acetylation orchestrates wound-induced transcriptional activation and cellular reprogramming in Arabidopsis. 2019 , 2, 404	33
2130	The proteasome as a target for protozoan parasites. 2019 , 23, 903-914	12
2129	Foraging ecology mediates response to ecological mismatch during migratory stopover. 2019 , 10, e02898	4
2128	Hydrogen Production by Chemical Looping Gasification of Corn Stalk Driven by a tert-Butanol Solution. 2019 , 35, 1012-1017	5
2127	Service supply chain management: a behavioural operations perspective. 2019 , 1, 28-53	13
2126	Biomaterials for topical and transdermal drug delivery in reconstructive transplantation. 2019 , 14, 2713-2733	5
2125	Nanotechnology, Ethics of. 2019 , 1-8	1
2124	Fertilization and Cleavage Axes Differ In Primates Conceived By Conventional (IVF) Versus Intracytoplasmic Sperm Injection (ICSI). 2019 , 9, 15282	4
2123	Aerial surveys cause large but ephemeral decreases in bear presence at salmon streams in Kodiak, Alaska. 2019 , 14, e0222085	1
2122	Nutritional strategy for the preferential uptake of ($\{\{\text{Lext}\{NO\}\}_{3}\}^{-}\}$ {text $\{\{-\}N\}\}$) by Phaeocystis globosa. 2019 , 846, 109-122	5
2121	Friction-induced rehybridization of hydrothermal amorphous carbon in magnesium silicate hydroxide-based nanocomposite. 2019 , 155, 650-659	13
2120	Structure and electronic structure of functional materials under symmetric breaking. 2019 , 25, 2062-2063	
2119	Immunological memory: ILC1s come into view. 2019 , 16, 895-896	7
2118	Two-dimensional lead-free halide perovskite materials and devices. 2019 , 7, 23563-23576	48
2117	Large-scale rapid detection of circulating microRNAs in plasma for diagnosis and screening of specific diseases. 2019 , 11, 16879-16885	5
2116	A thermally stable, barium-stabilized ⊞sPbi3 perovskite for optoelectronic devices. 2019 , 7, 21740-21746	22
2115	Data denoising with transfer learning in single-cell transcriptomics. 2019 , 16, 875-878	78

2114	A comprehensive insight into the role of barium in catalytic performance of Co/Al2O3 catalyst for Fischer-Tropsch synthesis. 2019 , 256, 115911	12
2113	Abecedarian: An Early Childhood Education Approach that has a Rich History and a Vibrant Present. 2019 , 51, 207-216	10
2112	Developmental effects of heatwave conditions on the early life stages of a coral reef fish. 2019 , 222,	10
2111	Organic Boronate Affinity Sorbent for Capture of cis-Diol Containing Compounds Eman Alzahrani. 2019 , 31, 2073-2082	2
2110	Quantum-Inspired Acromyrmex Evolutionary Algorithm. 2019 , 9, 12181	10
2109	Colloidal-annealing of ZnO nanoparticles to passivate traps and improve charge extraction in colloidal quantum dot solar cells. 2019 , 11, 17498-17505	16
2108	Raney Nickel 2.0: Development of a high-performance bifunctional electrocatalyst. 2019 , 322, 134687	10
2107	Linkages of stoichiometric imbalances to soil microbial respiration with increasing nitrogen addition: Evidence from a long-term grassland experiment. 2019 , 138, 107580	29
2106	Time to look forward to adapt to ocean warming. 2019 , 116, 18157-18158	1
2105	The entwined Cold War roots of missile defense and climate geoengineering. 2019 , 75, 222-228	3
2104	Remarkable nuances of crystallization: From ordinary crystal nucleation to rival mechanisms of crystallite coalescence. 2019 , 526, 125214	10
2103	Microparticles with hetero-nanointerfaces: controlled assembly of cobalt hydroxide and nickel hydroxide nanoclusters towards improved electrochemical functions. 2019 , 7, 25290-25296	4
2102	Visible photocatalysis of novel oxime phosphonates: synthesis of Eaminophosphonates. 2019 , 55, 11888-1189	113
2101	Silkworms as a factory of functional wearable energy storage fabrics. 2019 , 9, 12649	11
2100	Seasonal differences in climate change explain a lack of multi-decadal shifts in population characteristics of a pond breeding salamander. 2019 , 14, e0222097	4
2099	An easily accessible isospiropyran switch. 2019 , 17, 9124-9128	2
2098	The negative effects of short-term extreme thermal events on the seagrass Posidonia oceanica are exacerbated by ammonium additions. 2019 , 14, e0222798	17
2097	A fantastic two-dimensional MoS2 material based on the inert basal planes activation: Electronic structure, synthesis strategies, catalytic active sites, catalytic and electronics properties. 2019 , 399, 213020	57

2096	The effects of mechanical constriction on the operation of sulfide based solid-state batteries. 2019 , 7, 23604-23627	32
2095	Carbonisation temperature dependence of electrochemical activity of nitrogen-doped carbon fibres from electrospinning as air-cathodes for aqueous-alkaline metal-air batteries 2019 , 9, 27231-27241	9
2094	Herbivore seasonality responds to conflicting cues: Untangling the effects of host, temperature, and photoperiod. 2019 , 14, e0222227	22
2093	Propagations of spontaneous brain activity in awake rats. 2019 , 202, 116176	7
2092	Nucleation dynamics of single crystal WS from droplet precursors uncovered by in-situ monitoring. 2019 , 9, 12958	4
2091	Silver nanoparticles by atomic vapour deposition on an alcohol micro-jet. 2019 , 1, 4041-4051	5
2090	Distraction of olfactory bulb-medial prefrontal cortex circuit may induce anxiety-like behavior in allergic rhinitis. 2019 , 14, e0221978	15
2089	Modulating the basicity of Zn-MOF-74 via cation exchange with calcium ions. 2019 , 48, 14971-14974	20
2088	A synthetic metabolic network for physicochemical homeostasis. <i>Nature Communications</i> , 2019 , 10, 4239 _{17.4}	26
2087	Solvent-free thermo-reversible and self-healable crosslinked polyurethane with dynamic covalent networks based on phenol-carbamate bonds. 2019 , 181, 121788	25
2086	The chemistry of the carbon-transition metal double and triple bond: Annual survey covering the year 2018. 2019 , 401, 213051	7
2085	Polymeric DNA hydrogel: Design, synthesis and applications. 2019 , 98, 101163	108
2084	Convergent evolution of super black plumage near bright color in 15 bird families. 2019 , 222,	9
2083	Combining breeding traits and agronomic indicators to characterize the impact of cultivar on the nitrogen use efficiency of bread wheat. 2019 , 242, 107588	9
2082	Deep Brain Stimulation for Epilepsy: Biomarkers for Optimization. 2019 , 21, 47	12
2081	Highly cross-linked carbon sponge enables room-temperature long-life semi-liquid Na/polysulfide battery. 2019 , 14, 100342	6
2080	Single-Cell Omics in Crop Plants: Opportunities and Challenges. 2019 , 341-355	4
2079	Progress in metal-free cooperative catalysis for the ring-opening copolymerization of cyclic anhydrides and epoxides. 2019 , 121, 109276	23

2078 Radiative properties of scattering media containing directionally controlled nanofibers. 2019 , 236, 106580	1
2077 Human motor cortical beta bursts relate to movement planning and response errors. 2019 , 17, e3000479	59
2076 Highly flexible and stretchable 3D graphene/MXene composite thin film. 2019 , 7, 738-743	4
Combined cultivation and single-cell approaches to the phylogenomics of nucleariid amoebae, close relatives of fungi. 2019 , 374, 20190094	17
2074 Charge-Transfer-Induced Interfacial Exchange Coupling at the Co/BiFeO3 Interface. 2019 , 12,	4
2073 New trends in tailoring active sites in zeolite-based catalysts. 2019 , 48, 1095-1149	192
2072 Direct shape programming of liquid crystal elastomers. 2019 , 15, 870-879	53
2071 Novel Janus membrane with unprecedented osmosis transport performance. 2019 , 7, 632-638	27
Exfoliation of amorphous phthalocyanine conjugated polymers into ultrathin nanosheets for highly efficient oxygen reduction. 2019 , 7, 3112-3119	55
2069 "Second-generation" fluorogenic RNA-based sensors. 2019 , 161, 24-34	22
 "Second-generation" fluorogenic RNA-based sensors. 2019, 161, 24-34 Selenium reagents as catalysts. 2019, 9, 1073-1091 	80
2068 Selenium reagents as catalysts. 2019 , 9, 1073-1091	80
2068 Selenium reagents as catalysts. 2019 , 9, 1073-1091 2067 Photochromic control of a plasmon-quantum dots coupled system. 2018 , 11, 258-265 The expanding spectrum of diketopiperazine natural product biosynthetic pathways containing	8o 9
2068 Selenium reagents as catalysts. 2019 , 9, 1073-1091 2067 Photochromic control of a plasmon-quantum dots coupled system. 2018 , 11, 258-265 2066 The expanding spectrum of diketopiperazine natural product biosynthetic pathways containing cyclodipeptide synthases. 2019 , 17, 2305-2314 Dual nature of exciplexes: exciplex-forming properties of carbazole and fluorene hybrid trimers.	80 9 43
2068 Selenium reagents as catalysts. 2019, 9, 1073-1091 2067 Photochromic control of a plasmon-quantum dots coupled system. 2018, 11, 258-265 2066 The expanding spectrum of diketopiperazine natural product biosynthetic pathways containing cyclodipeptide synthases. 2019, 17, 2305-2314 2065 Dual nature of exciplexes: exciplex-forming properties of carbazole and fluorene hybrid trimers. 2019, 7, 25-32 Preparation of albumin nanoparticles: Optimum size for cellular uptake of entrapped drug	80 9 43 21
2068 Selenium reagents as catalysts. 2019, 9, 1073-1091 2067 Photochromic control of a plasmon-quantum dots coupled system. 2018, 11, 258-265 2066 The expanding spectrum of diketopiperazine natural product biosynthetic pathways containing cyclodipeptide synthases. 2019, 17, 2305-2314 2065 Dual nature of exciplexes: exciplex-forming properties of carbazole and fluorene hybrid trimers. 2019, 7, 25-32 2064 Preparation of albumin nanoparticles: Optimum size for cellular uptake of entrapped drug (Curcumin). 2019, 567, 86-95	80 9 43 21 20

2060	Masked Shoreline Erosion at Large Spatial Scales as a Collective Effect of Beach Nourishment. 2019 , 7, 74-84	26
2059	OMIC signatures to understand cancer immunosurveillance and immunoediting: Melanoma and immune cells interplay in immunotherapy. 2019 , 105, 915-933	8
2058	Perovskite Light-Emitting Diodes with Improved Outcoupling Using a High-Index Contrast Nanoarray. 2019 , 15, e1900135	37
2057	Population dynamics of multiple triplet excitons revealed from time-dependent fluorescence quenching of single conjugated polymer chains. 2019 , 9, 817	5
2056	3D hierarchical porous indium catalyst for highly efficient electroreduction of CO2. 2019 , 7, 4505-4515	89
2055	Polyoxovanadate-Based Metal©rganic Octahedron Based on 1,4-Naphthalenedicarboxylic Acid. 2019 , 59, 306-310	3
2054	Control of MXenes' electronic properties through termination and intercalation. <i>Nature Communications</i> , 2019 , 10, 522	380
2053	Cross-talk between cancer cells and their neighbors via miRNA in extracellular vesicles: an emerging player in cancer metastasis. 2019 , 26, 7	59
2052	IronIII-catalyzed Chemoselective Cycloaromatization Reactions for the synthesis of 5-Brominated Benzo[b]fluorenones. 2019 , 361, 1295-1300	6
2051	Time-resolved FRET in AgInS/ZnS-CdSe/ZnS quantum dot systems. 2019 , 30, 195501	4
2050	Seaward growth of Antarctic continental shelves since establishment of a continent-wide ice sheet: Patterns and mechanisms. 2019 , 520, 44-54	10
2049	Ascendant bioinspired antireflective materials: Opportunities and challenges coexist. 2019 , 103, 1-68	46
2048	Redox-responsive interleukin-2 nanogel specifically and safely promotes the proliferation and memory precursor differentiation of tumor-reactive T-cells. 2019 , 7, 1345-1357	39
2047	In situ generated MWCNT-FeF3①.33 H2O nanocomposites toward stable performance cathode material for lithium ion batteries. 2019 , 2, 59-66	6
2046	Emergence of quasiperiodic quantum wave functions in Hausdorff dimensional crystals and improved intrinsic Carrier concentrations. 2019 , 127, 224-230	33
2045	Chiral and orientationally ordered fluid mesophases formed by oxadiazole bisaniline based achiral bent mesogens. 2019 , 46, 1373-1382	7
2044	A Li-Li2S4 battery with improved discharge capacity and cycle life at low electrolyte/sulfur ratios. 2019 , 414, 412-419	17
2043	Surgery-free injectable macroscale biomaterials for local cancer immunotherapy. 2019 , 7, 733-749	29

2042	Fluorescence lifetime-activated droplet sorting in microfluidic chip systems. 2019 , 19, 403-409	25
2041	Low-temperature processed inorganic perovskites for flexible detectors with a broadband photoresponse. 2019 , 11, 2871-2877	57
2040	Hyaluronic acid/PEGylated amphiphilic nanoparticles for pursuit of selective intracellular doxorubicin release. 2019 , 7, 95-102	11
2039	High throughput screening of complex biological samples with mass spectrometry - from bulk measurements to single cell analysis. 2019 , 144, 872-891	43
2038	Innovative strategies for annotating the "relationSNP" between variants and molecular phenotypes. 2019 , 12, 10	3
2037	Drastic increase in thermoelectric power factor of mixed Sb2Te3-In2Te3 thin films. 2019 , 131, 15-20	2
2036	Encapsulation of complex solutions using droplet microfluidics towards the synthesis of artificial cells. 2019 , 29, 083001	13
2035	Attachment of redox active molecules on the carbon additive and its effect on the cycling performance of LiFePO4 electrodes. 2019 , 235, 121739	7
2034	Fast and Efficient CRISPR/Cas9 Genome Editing In Vivo Enabled by Bioreducible Lipid and Messenger RNA Nanoparticles. 2019 , 31, e1902575	140
2033	Genetic analysis of the first mcr-1 positive Escherichia coli isolate collected from an outpatient in Chile. 2019 , 23, 203-206	10
2032	Precise regulation of the selectivity of supported nano-Pd catalysts using polysiloxane coatings with tunable surface wettability. 2019 , 55, 8305-8308	9
2031	Suppression of charge density wave order by disorder in Pd-intercalated ErTe3. 2019 , 99,	10
2030	On the road to structure-based development of anti-virulence therapeutics targeting the type III secretion system injectisome. 2019 , 10, 1273-1289	11
2029	In situ synthesis of Ni/NiO composites with defect-rich ultrathin nanosheets for highly efficient biomass-derivative selective hydrogenation. 2019 , 7, 17834-17841	23
2028	The role of titanium-oxo clusters in the sulfate process for TiO production. 2019 , 48, 11086-11093	9
2027	MOF-templated in situ fabrication of surface-modified Ni/graphitic carbon nitride with enhanced photocatalytic hydrogen evolution. 2019 , 9, 3828-3835	10
2026	Generation and comprehensive characterization of induced pluripotent stem cells for translational research. 2019 , 14, 505-524	O
2025	Cascade alkylation and deuteration with aryl iodides via Pd/norbornene catalysis: an efficient method for the synthesis of congested deuterium-labeled arenes. 2019 , 55, 8567-8570	10

2024	Input-dependent post-translational control of the reporter output enhances dynamic resolution of mammalian signaling systems. 2019 , 622, 1-27	1
2023	Segmenting the public⊠risk beliefs about drone delivery: A belief system approach. 2019 , 40, 27-40	12
2022	One-pot synthesis of SiO-coated Gd(WO):Yb/Ho nanoparticles for simultaneous multi-imaging, temperature sensing and tumor inhibition. 2019 , 48, 10537-10546	9
2021	The climatic drivers of primary Picea forest growth along the Carpathian arc are changing under rising temperatures. 2019 , 25, 3136-3150	23
2020	Self-assembly of iron oxide precursor micelles driven by magnetic stirring time in sol-gel coatings 2019 , 9, 17571-17580	12
2019	Chemical Vapor Transport Deposition of Stable Cubic CsPbI3 Optical Films on the Porous Alumina Substrate. 2019 , 4, 1973-1979	
2018	Enhanced Dynamic Adhesion in Nematic Liquid Crystal Elastomers. 2019 , 31, e1902642	27
2017	Enhancement of the SrTiO3 Surface Reactivity by Exposure to Electric Fields. 2019 , 5, 948-956	16
2016	Reducing MSH4 copy number prevents meiotic crossovers between non-homologous chromosomes in Brassica napus. <i>Nature Communications</i> , 2019 , 10, 2354	4 24
2015	Graphene nanosheet-grafted double-walled carbon nanotube hybrid nanostructures by two-step chemical vapor deposition and their application for ethanol detection. 2019 , 9, 7871	10
2014	Visible Light-Driven Gas-Phase Artificial Photosynthesis Reactions over Ruthenium Metal Nanoparticles Modified with Anatase TiO2. 2019 , 2019, 1-10	5
2013	Quantitative precipitation reconstruction in the east-central monsoonal China since the late glacial period. 2019 , 521, 175-184	12
2012	Supramolecular ligands for the extraction of lanthanide and actinide ions. 2019 , 6, 2067-2094	25
2011	Synthesis of ferrocene and azobenzene-based copolymers P(FHEMA-co-MAZOHE)s and their redox and photo-responsive properties. 2019 , 895, 37-47	2
2010	Dendrite growth model in battery cell combining electrode edge effects and stochastic forces into a Diffusion Limited Aggregation scheme. 2019 , 433, 126675	7
2009	CO2 electroreduction to formate: Continuous single-pass operation in a filter-press reactor at high current densities using Bi gas diffusion electrodes. 2019 , 34, 12-19	29
2008	Self-assembly of a robust hydrogen-bonded octylphosphonate network on cesium lead bromide perovskite nanocrystals for light-emitting diodes. 2019 , 11, 12370-12380	42
2007	Recent progress in selenium-catalyzed organic reactions. 2019 , 6, 2999-3041	77

2006	Facile, controllable tune of blue shift or red shift of the fluorescence emission of solid-state carbon dots. 2019 , 374, 787-792	31
2005	Effect of piscivorous and omnivorous colonial birdslactivity on structure, abundance and diversity of soil free-living nematodes. Preliminary results from a study of the impact of avifauna on soil biota in Israell Mediterranean Coastal Plain. 2019 , 107, 105211	1
2004	Amorphous outperforms crystalline nanomaterials: surface modifications of molecularly derived CoP electro(pre)catalysts for efficient water-splitting. 2019 , 7, 15749-15756	67
2003	The Role of Bulk and Interface Recombination in High-Efficiency Low-Dimensional Perovskite Solar Cells. 2019 , 31, e1901090	36
2002	New development of atomic layer deposition: processes, methods and applications. 2019 , 20, 465-496	148
2001	Ni-MOF coating MoS2 structures by hydrothermal intercalation as high-performance electrodes for asymmetric supercapacitors. 2019 , 375, 121959	77
2000	A new computational approach to estimate whole-brain effective connectivity from functional and structural MRI, applied to language development. 2019 , 9, 8479	12
1999	Gold Nanoparticles. 2019 , 1-29	
1998	Nanoneedle-structured Anode Catalyst for Low-Temperature Proton Exchange Membrane Fuel Cells. 2019 , 40, 529-532	
1997	Metal-Free Transamidation of Primary Amides using Trimethylsilyl Chloride. 2019 , 8, 1613-1616	8
1996	Evidence of superdiffusive nanoscale motion in anionic polymeric hydrogels: Analysis of PGSE- NMR data and comparison with drug release properties. 2019 , 305, 110-119	8
1995	Photocatalytic Degradation of Atrazine under Visible Light Using Novel Ag@MgTaO Nanocomposites. 2019 , 9, 7470	17
1994	Global geographic trends in antimicrobial resistance: the role of international travel. 2019, 26,	97
1993	Using green emitting pH-responsive nanogels to report environmental changes within hydrogels: a nanoprobe for versatile sensing. 2019 , 11, 11484-11495	7
1992	Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO2 Reduction and Hydrogen Evolution. 2019 , 3, 1900210	105
1991	An investigation into the effect of alloying elements on corrosion behavior of severely deformed Cu-Sn alloys by equal channel angular pressing. 2019 , 19, 842-850	12
1990	Proteinpolymer interaction: Transfer loading at interfacial region of PES-based membrane and BSA. 2019 , 136, 47931	2
1989	Sleep quality and treatment of social anxiety disorder. 2019 , 32, 387-398	5

1988	Electrochemical Minisci-type trifluoromethylation of electron-deficient heterocycles mediated by bromide ions. 2019 , 6, 2392-2397	72
1987	2D Laminar Membranes for Selective Water and Ion Transport. 2019 , 29, 1902014	121
1986	How embodied carbon in trade affects labor income in developing countries. 2019 , 672, 71-80	12
1985	Skeletal records of bleaching reveal different thermal thresholds of Pacific coral reef assemblages. 2019 , 38, 743-757	10
1984	Atlantic Forest topsoil nutrients can be resistant to disturbance and forest clearing. 2019 , 51, 342-354	8
1983	A Titanium(IV)-Based Metal © rganic Framework Featuring Defect-Rich Ti-O Sheets as an Oxidative Desulfurization Catalyst. 2019 , 131, 9258-9263	25
1982	Structurally assisted super black in colourful peacock spiders. 2019 , 286, 20190589	20
1981	Fully Recrystallized Al0.5CoCrFeNi High-Entropy Alloy Strengthened by Nanoscale Precipitates. 2019 , 25, 1145-1150	16
1980	Doping of molecular materials based on ferrocene and the study of their properties as organic semiconductors for their application in optoelectronic devices. 2019 , 1193, 365-372	5
1979	Ladder-like conjugated polymers used as hole-transporting materials for high-efficiency perovskite solar cells. 2019 , 7, 14473-14477	32
1978	Band alignment and scattering considerations for enhancing the thermoelectric power factor of complex materials: The case of Co-based half-Heusler alloys. 2019 , 99,	24
1977	Regulation of the apical extension morphogenesis tunes the mechanosensory response of microvilliated neurons. 2019 , 17, e3000235	12
1976	Substitution of an Internal Disulfide Bridge with a Diselenide Enhances both Foldability and Stability of Human Insulin. 2019 , 25, 8513-8521	23
1975	Comparison of life cycle environmental impacts from meal kits and grocery store meals. 2019 , 147, 189-200	27
1974	Synthesis of (difluoromethyl)naphthalenes using the ring construction strategy: C-C bond formation on the central carbon of 1,1-difluoroallenes via Pd-catalyzed insertion. 2019 , 17, 5047-5054	1
1973	Structural and diffusion weighted MRI demonstrates responses to ibrutinib in a mouse model of follicular helper (Tfh) T-cell lymphoma. 2019 , 14, e0215765	5
1972	A High-Throughput Search for Functionally Stable Interfaces in Sulfide Solid-State Lithium Ion Conductors. 2019 , 9, 1900807	39
1971	Mesoporous Composite Nanomaterials for Dye Removal and Other Applications. 2019 , 265-293	11

(2019-2019)

1970	A unique sandwich structure of a CoMnP/Ni2P/NiFe electrocatalyst for highly efficient overall water splitting. 2019 , 7, 12325-12332	38
1969	C8N12O10: a promising energetic compound with excellent detonation performance and desirable sensitivity. 2019 , 43, 7784-7789	18
1968	Contribution of Discharge Excited Atomic N, N *, and N to a Plasma/Liquid Interfacial Reaction as Suggested by Quantitative Analysis. 2019 , 20, 1467-1474	20
1967	Microstructural feature analysis of commercial Li-ion battery cathodes by focused ion beam tomography. 2019 , 427, 1-14	25
1966	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. 2019 , 143, 68-96	244
1965	Molecular engineering lithium sulfur battery cathode based on small organic molecules: An ab-initio investigation. 2019 , 484, 1184-1190	7
1964	Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. 2019 , 58, 9928-9932	4
1963	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich Ti-O Sheets as an Oxidative Desulfurization Catalyst. 2019 , 58, 9160-9165	53
1962	Programmable metasurface-based RF chain-free 8PSK wireless transmitter. 2019 , 55, 417-420	81
1961	Climate change impacts on marine ecosystems through the lens of the size spectrum. 2019 , 3, 233-243	18
1960	Food Biotechnology: Sculpting Genes with Genetic Engineering. 2019 , 261-286	1
1959	Enhancing High Humidity Stability of Quasi-2D Perovskite Thin Films through Mixed Cation Doping and Solvent Engineering. 2019 , 5, 1280-1288	8
1958	Rotational wind power triboelectric nanogenerator using aerodynamic changes of friction area and the adsorption effect of hematoxylin onto feather based on a diversely evolved hyper-branched structure. 2019 , 61, 370-380	15
1957	Oxygen Release Degradation in Li-Ion Battery Cathode Materials: Mechanisms and Mitigating Approaches. 2019 , 9, 1900551	145
1956	The climate sensitivity of carbon, timber, and species richness covaries with forest age in boreal-temperate North America. 2019 , 25, 2446-2458	28
1955	Inner speech is accompanied by a temporally-precise and content-specific corollary discharge. 2019 , 198, 170-180	15
1954	Relevance of the eastern African coastal forest for early hominin biogeography. 2019 , 131, 176-202	15
1953	Gram-scale carbasugar synthesis intramolecular -Michael/aldol reaction 2019 , 9, 12928-12935	5

1952	3D genome organization: a role for phase separation and loop extrusion?. 2019 , 48, 36-46	33
1951	Convergence of fishers' knowledge with a species distribution model in a Peruvian shark fishery. 2019 , 1, e13	9
1950	Photo-assisted SCR removal of NO by upconversion CeO/Pr/attapulgite nanocatalyst. 2019 , 26, 12842-12850	6
1949	Current concepts in nanostructured contrast media development for in vivo photoacoustic imaging. 2019 , 7, 1746-1775	27
1948	All Perpendicular Spin Nano-Oscillators with Composite Free Layer. 2019 , 09, 1940010	1
1947	Analyzing the 3D chromatin organization coordinating with gene expression regulation in B-cell lymphoma. 2019 , 11, 127	8
1946	Melissa: Bayesian clustering and imputation of single-cell methylomes. 2019 , 20, 61	25
1945	Machine Learning Augmented Discovery of Chalcogenide Double Perovskites for Photovoltaics. 2019 , 2, 1800173	30
1944	Rationalizing the control of interfacial charge transfer directions in halide perovskite materials via additives: A first principles investigation. 2019 , 481, 1178-1184	10
1943	Laccase activity in Sphagnum-dominated peatland: A study based on a novel measurement of delay dynamics (MDD) for determining laccase activity. 2019 , 133, 108-115	3
1942	Energy transfer-enhanced external power conversion efficiency in blended polymeric thin film solar devices. 2019 , 30, 7840-7849	1
1941	Lipid biomarker and stable isotopic profiles through Early-Middle Ordovician carbonates from Spitsbergen, Norway. 2019 , 131, 5-18	10
1940	AutonoMouse: High throughput operant conditioning reveals progressive impairment with graded olfactory bulb lesions. 2019 , 14, e0211571	13
1939	Multipurpose [1,2,4]triazolo[4,3-b][1,2,4,5] tetrazine-based energetic materials. 2019, 7, 7875-7884	53
1938	Indian summer monsoon: Extreme events, historical changes, and role of anthropogenic forcings. 2019 , 10, e571	52
1937	Growth, Vibrational, Optical, Mechanical and DFT Investigations of an Organic Nonlinear Optical Material Phenylurea. 2019 , 233, 1659-1682	2
1936	A high-performance catalyst based on binary CuFe alloyed nanocrystals encapsulated in nitrogen-doped graphene nanosheets towards oxygen reduction reaction. 2019 , 273, 132-140	7
1935	DNA Segregation in Natural and Synthetic Minimal Systems. 2019 , 3, e1800316	4

1934	Additive Manufacturing Processes and Materials for Metallic Microlattice Structures Using Selective Laser Melting, Electron Beam Melting and Binder Jetting. 2019 , 17-31	6
1933	Conclusions from the Book: Themes, Future Research Strategies. 2019 , 97-107	
1932	IgY-based antivenom against Bothrops alternatus: Production and neutralization efficacy. 2019 , 163, 84-92	9
1931	Motile ciliogenesis and the mitotic prism. 2019 , 111, 199-212	6
1930	Designed Memristor Circuit for Self-Limited Analog Switching and its Application to a Memristive Neural Network. 2019 , 5, 1800740	10
1929	Tailor-made synthesis of an melamine-based aminal hydrophobic polymer for selective adsorption of toxic organic pollutants: an initiative towards wastewater purification 2019 , 9, 7469-7478	8
1928	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. 2019 , 9, 3737	13
1927	Late-Stage Direct o-Alkenylation of Phenols by Pd -Catalyzed C-H Functionalization. 2019 , 25, 6896-6901	17
1926	Nucleophilic fluoroalkylation of terminal vinyl triflones with SO2CF3 as a removable activating group. 2019 , 60, 1015-1018	6
1925	Layer-by-layer assembly of luminescent ultrathin films by layered double hydroxides and neutral AlBhen田q. 2019 , 45, 2515-2527	1
1924	Reanalysis of Lindenatriene, a Building Block for the Synthesis of Lindenane Oligomers. 2019 , 75, 3140-3144	
1923	GABA receptor family: overview on structural characterization. 2019,	7
1922	Mariculture, Economic, and Social Impacts. 2019 , 422-430	
1921	The Influence of d-f Coupling on Slow Magnetic Relaxation in NillLnIIIMIII (Ln = Gd, Tb, Dy; M = Cr, Fe, Co) Clusters. 2019 , 2019, 2361-2367	6
1920	Quantitative optical assessment of photonic and electronic properties in halide perovskite. <i>Nature Communications</i> , 2019 , 10, 1586	24
1919	Transcription is a major driving force for plastid genome instability in Arabidopsis. 2019 , 14, e0214552	2
1918	Excitonic states and structural stability in two-dimensional hybrid organic-inorganic perovskites. 2019 , 4, 189-200	24
1917	Flexibility control in alkyl ether-functionalized pillared-layered MOFs by a Cu/Zn mixed metal approach. 2019 , 48, 6564-6570	13

1916	Novel Peroxisome V acuole Contacts in Yeast. 2019 , 2, 251525641982962	1
1915	Biomimetic hard and tough nanoceramic Ti-Al-N film with self-assembled six-level hierarchy. 2019 , 11, 7986-7995	13
1914	Evaluation of tungsten as divertor plasma-facing material: results from ion irradiation experiments and computer simulations. 2019 , 59, 076034	7
1913	Maize synthesized benzoxazinoids affect the host associated microbiome. 2019 , 7, 59	87
1912	Global Fe-O isotope correlation reveals magmatic origin of Kiruna-type apatite-iron-oxide ores. Nature Communications, 2019 , 10, 1712	38
1911	Modular and conservative procedure for the quantification of amino functionalities bonded to solid porous matrices. 2019 , 1068, 120-130	1
1910	Reconfigurable Logic Gates with in-Plane Magnetic Tunnel Junctions Representing Full Boolean Functions. 2019 , 216, 1800959	1
1909	Cyclodextrin-based polymer materials: From controlled synthesis to applications. 2019 , 93, 1-35	62
1908	Crystallization of gas-selective nanoporous graphene by competitive etching and growth: a modeling study. 2019 , 9, 5202	7
1907	Observed and modelled historical trends in the water-use efficiency of plants and ecosystems. 2019 , 25, 2242-2257	49
1906	Cast-and-Use Super Black Coating Based on Polymer-Derived Hierarchical Porous Carbon Spheres. 2019 , 11, 15945-15951	19
1905	Three-color luminescent transformation of the julolidine pyrylo/pyridocyanine dyes in the adsorbed state. 2019 , 375, 181-190	1
1904	A Semiconducting Organic-Inorganic Hybrid Metal Halide [(C6H15ClNO)2CdBr4] with Switchable Dielectric and Large Phase Transition Thermal Hysteresis. 2019 , 4, 3921-3925	11
1903	Recent developments of metamaterials/metasurfaces for RCS reduction. 2019 , 6, 15	9
1902	AMPA receptors and their minions: auxiliary proteins in AMPA receptor trafficking. 2019 , 76, 2133-2169	40
1901	Mechanical Metamaterials and Their Engineering Applications. 2019 , 21, 1800864	234
1900	Various Threshold Switching Devices for Integrate and Fire Neuron Applications. 2019, 5, 1800866	59
1899	Engineering Oxygen Migration for Homogeneous Volume Resistive Switching in 3-Terminal Devices. 2019 , 5, 1800629	12

1898	transcranial direct current stimulation (tDCS) over the left prefrontal cortex does not affect time-trial self-paced cycling performance: Evidence from oscillatory brain activity and power output. 2019 , 14, e0210873	23
1897	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. 2019 , 58, 4644-4648	109
1896	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. 2019 , 131, 4692-4696	13
1895	Versatile triboelectric nanogenerator with a hermetic structure by air supporting for multiple energy collection. 2019 , 58, 759-767	10
1894	Recombination rate variation shapes barriers to introgression across butterfly genomes. 2019 , 17, e2006288	115
1893	Role and management of soil biodiversity for food security and nutrition; where do we stand?. 2019 , 20, 132-144	55
1892	Ionic liquid catalysed aerobic oxidative amidation and thioamidation of benzylic amines under neat conditions. 2019 , 21, 962-967	18
1891	Flow induced noise characterization of pump turbine in continuous and intermittent load rejection processes. 2019 , 139, 1029-1039	15
1890	Differentiation regulation of mesenchymal stem cells via autophagy induced by structurally-different silica based nanobiomaterials. 2019 , 7, 2657-2666	10
1889	Laser-wakefield accelerators for high-resolution X-ray imaging of complex microstructures. 2019 , 9, 3249	23
1888	Single-site metal-organic framework catalysts for the oxidative coupling of arenes C-H/C-H activation. 2019 , 10, 3616-3622	58
1887	Spintronic Solutions for Stochastic Computing. 2019 , 165-183	1
1886	Nanohybrids - cancer theranostics for tiny tumor clusters. 2019 , 299, 21-30	8
1885	Playing supramolecular dominoes with light: building and breaking a photoreversible G-quadruplex made from guanosine, boric acid and an azobenzene. 2019 , 17, 2759-2769	9
1884	Two Bulky Conjugated 4?-(4-Hydroxyphenyl)-4,2?:6?,4??-terpyridine-based Layered Complexes: Synthesis, Structure, and Photocatalytic Hydrogen Evolution Activity. 2019 , 645, 516-522	4
1883	Structural basis of the crosstalk between histone H2B monoubiquitination and H3 lysine 79 methylation on nucleosome. 2019 , 29, 330-333	28
1882	Calculating adsorption isotherms using Lennard Jones particle density distributions. 2019 , 31, 435901	2
1881	Chapter 15 Quantum Leadership: Transmuting Technology. 2019 , 173-186	1

1880	The limb enhancer marks an adult subpopulation of injury-responsive dermal fibroblasts. 2019, 8,	14
1879	Stakeholder engagement with environmental decision support systems: The perspective of end users. 2019 , 63, 631-642	3
1878	Potential Distribution of Six North American Higher-Attine Fungus-Farming Ant (Hymenoptera: Formicidae) Species. 2019 , 19,	5
1877	Anti-Tumor Activity of Doxorubicin-loaded Boehmite Nanocontainers. 2019 , 645, 1372-1378	O
1876	High-voltage applications of the triboelectric nanogenerator Dpportunities brought by the unique energy technology. 2019 , 6, 1	12
1875	Color Constancy Algorithms for Multi-source Non-uniform Scenes Based on Local Estimation. 2019,	
1874	Intercalation of small molecules into DNA in chromatin is primarily controlled by superhelical constraint. 2019 , 14, e0224936	3
1873	Sociotechnical convex hulls and the evolution of transportation activity: A method and application to US travel survey data. 2019 , 149, 119789	2
1872	DNA variants affecting the expression of numerous genes in trans have diverse mechanisms of action and evolutionary histories. 2019 , 15, e1008375	14
1871	Nano liquid chromatography columns. 2019 , 144, 7090-7104	24
1870	Ambient electrospray deposition Raman spectroscopy (AESD RS) using soft landed preformed silver nanoparticles for rapid and sensitive analysis. 2019 , 144, 7412-7420	6
1869	Catalytic mechanism of the PrhA (V150L/A232S) double mutant involved in the fungal meroterpenoid biosynthetic pathway: a QM/MM study. 2019 , 21, 25658-25668	5
1868	The role of excitons in 3D and 2D lead halide perovskites. 2019 , 7, 12006-12018	52
1867	Monolayer MoSe2/NiO van der Waals heterostructures for infrared light-emitting diodes. 2019 , 7, 13613-1362	27
1866	Fermion parity switches of the ground state of Majorana billiards. 2019 , 100,	1
1865	Efficient removal of low-concentration organoarsenic by Zr-based metal b rganic frameworks: cooperation of defects and hydrogen bonds. 2019 , 6, 3590-3600	15
1864	The hierarchical emergence of worm-like chain behaviour from globular domain polymer chains. 2019 , 15, 8778-8789	6
1863	MXene supported CoxAy (A = OH, P, Se) electrocatalysts for overall water splitting: unveiling the role of anions in intrinsic activity and stability. 2019 , 7, 27383-27393	39

1862	Waiting for Forcot: Accelerating FORC Processing 100 (Using a Fast-Fourier-Transform Algorithm. 2019 , 20, 6223-6233	11
1861	Nanoparticle Tracking of Adenovirus by Light Scattering and Fluorescence Detection. 2019 , 30, 235-244	3
1860	The future of legume genetic data resources: Challenges, opportunities, and priorities. 2019, 1, e16	19
1859	A magic kick for regeneration: role of mesenchymal stromal cell secretome in spermatogonial stem cell niche recovery. 2019 , 10, 342	12
1858	Backbone Cleavages of Protonated Peptoids upon Collision-Induced Dissociation: Competitive and Consecutive B-Y and A-Y Reactions. 2019 , 30, 2726-2740	2
1857	A partial sulfidation approach that significantly enhance the activity of FeCo layered double hydroxide for oxygen evolution reaction. 2019 , 44, 31987-31994	9
1856	Exosomes as a storehouse of tissue remodeling proteases and mediators of cancer progression. 2019 , 38, 455-468	17
1855	Repeated mosquito net distributions, improved treatment, and trends in malaria cases in sentinel health facilities in Papua New Guinea. 2019 , 18, 364	9
1854	Biological Material Interfaces as Inspiration for Mechanical and Optical Material Designs. 2019 , 119, 12279-12	3 3 6
1853	Improved power and precision with whole genome sequencing data in genome-wide association studies of inflammatory biomarkers. 2019 , 9, 16844	20
1852	Radiocarbon Production Events and their Potential Relationship with the Schwabe Cycle. 2019 , 9, 17056	9
1851	Effects of Laser Linewidth on the Performance of DP-QPSK DWDM System. 2019,	1
1850	Hierarchical transcriptional control regulates Plasmodium falciparum sexual differentiation. 2019 , 20, 920	29
1849	Bidirectional histone-gene promoters in : characterization and application for multi-gene expression. 2019 , 6, 24	8
1848	Hydroxamic Acid-Containing Peptides in the Study of Histone Deacetylases. 2019, 29-54	
1847	Genomics and precision medicine for malaria: A dream come true?. 2019 , 223-255	
1846	Offline ventral subiculum-ventral striatum serial communication is required for spatial memory consolidation. <i>Nature Communications</i> , 2019 , 10, 5721	8
1845	Fluorescent RNA tags: current and future applications. 2019 , 11, 2483-2485	3

1844	Renewable Methanol Synthesis. 2019 , 6, 209-236	32
1843	Sensitive detection of circular DNAs at single-nucleotide resolution using guided realignment of partially aligned reads. 2019 , 20, 663	21
1842	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. 2019 , 14, e0226177	11
1841	Quercetin attenuates acute predator stress exposure-evoked innate fear and behavioral perturbation. 2019 , 30,	10
1840	Modern Submarine Landslide Complexes. 2019 , 181-200	6
1839	Fat for fuel: lipid metabolism in haematopoiesis. 2019 , 8, e1098	10
1838	Deciphering the metabolic capabilities of Bifidobacteria using genome-scale metabolic models. 2019 , 9, 18222	26
1837	Regulation of MSC and macrophage functions in bone healing by peptide LL-37-loaded silk fibroin nanoparticles on a titanium surface. 2019 , 7, 5492-5505	15
1836	Development, characterisation and in vitro evaluation of lanthanide-based FPR2/ALX-targeted imaging probes. 2019 , 48, 16764-16775	3
1835	Conformal monolayer contacts with lossless interfaces for perovskite single junction and monolithic tandem solar cells. 2019 , 12, 3356-3369	229
1835	monolithic tandem solar cells. 2019 , 12, 3356-3369	229
	monolithic tandem solar cells. 2019 , 12, 3356-3369	
1834	monolithic tandem solar cells. 2019 , 12, 3356-3369 Emergence of valley selectivity in monolayer tin(II) sulphide. 2019 , 1, 4863-4869 A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion	
1834	monolithic tandem solar cells. 2019 , 12, 3356-3369 Emergence of valley selectivity in monolayer tin(II) sulphide. 2019 , 1, 4863-4869 A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion juice 2019 , 9, 33716-33721 Highly selective synthesis of d-amino acids from readily available l-amino acids by a one-pot	1
1834 1833 1832	Emergence of valley selectivity in monolayer tin(II) sulphide. 2019, 1, 4863-4869 A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion juice 2019, 9, 33716-33721 Highly selective synthesis of d-amino acids from readily available l-amino acids by a one-pot biocatalytic stereoinversion cascade 2019, 9, 29927-29935 Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb	1 16
1834 1833 1832	Emergence of valley selectivity in monolayer tin(II) sulphide. 2019, 1, 4863-4869 A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion juice 2019, 9, 33716-33721 Highly selective synthesis of d-amino acids from readily available l-amino acids by a one-pot biocatalytic stereoinversion cascade 2019, 9, 29927-29935 Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb thin films 2019, 9, 36113-36122	1 16 8
1834 1833 1832 1831	Emergence of valley selectivity in monolayer tin(II) sulphide. 2019, 1, 4863-4869 A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion juice 2019, 9, 33716-33721 Highly selective synthesis of d-amino acids from readily available l-amino acids by a one-pot biocatalytic stereoinversion cascade 2019, 9, 29927-29935 Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb thin films 2019, 9, 36113-36122 Dynamic anti-counterfeiting security features using multicolor dianthryl sulfoxides. 2019, 10, 10113-10121 Single-component solid state white-light emission and photoluminescence color tuning of a Cd(II)	1 16 8 23

1826	RNA Structure and Cellular Applications of Fluorescent Light-Up Aptamers. 2019 , 131, 1278-1291	7
1825	The rumen microbiome: a crucial consideration when optimising milk and meat production and nitrogen utilisation efficiency. 2019 , 10, 115-132	79
1824	Novel methods for measuring the optical parameters of the water Cherenkov detector. 2019 , 919, 73-81	2
1823	Tunable near-field radiative transfer by IIII group compound semiconductors. 2019 , 52, 105104	2
1822	Asphalt as raw material of graphene-like resources. 2019 , 241, 297-303	9
1821	Selective electrocatalytic CO2 reduction enabled by SnO2 nanoclusters. 2019 , 37, 93-96	34
1820	Three-terminal memtransistors based on two-dimensional layered gallium selenide nanosheets for potential low-power electronics applications. 2019 , 57, 566-573	65
1819	Topographic control on the post-LGM grounding zone locations of the West Antarctic Ice Sheet in the Whales Deep Basin, Eastern Ross Sea. 2019 , 407, 248-260	3
1818	Benchmarking the Activity, Stability, and Inherent Electrochemistry of Amorphous Molybdenum Sulfide for Hydrogen Production. 2019 , 9, 1802614	62
1817	Expression analysis of miR-221-3p and its target genes in horses. 2019 , 41, 459-465	
1816	Synthesis and properties of stimuli-responsive ferrocene-and azobenzene-based copolymers P(FHEMA-co-MAAT)s. 2019 , 880, 124-133	3
1815	Investigation of the preferential solvation and dynamical properties of Cu+ in 18.6% aqueous ammonia solution using ab initio quantum mechanical charge field (QMCF) molecular dynamics and NBO analysis. 2019 , 275, 859-866	7
1814	Effect of extremely aggressive environment on the nature of corrosion scales of HP-13Cr stainless steel. 2019 , 469, 146-161	34
1813	mA: Widespread regulatory control in virus replication. 2019 , 1862, 370-381	24
1812	On the contribution of mass spectrometry-based platforms to the field of personalized oncology. 2019 , 110, 129-142	3
1811	Heterogeneity in gut microbiota drive polyphenol metabolism that influences	37
1810	Structural optimization in the same polymer backbones for efficient polymer solar cells: Relationship between steric hindrance and molecular weight. 2019 , 71, 137-149	14
1809	Fine mapping of qGL5H, a major grain length locus in barley (Hordeum vulgare L.). 2019 , 132, 883-893	12

1808	The Effect of Solvent Viscosity on Production of Few-layer Graphene from Liquid-phase Exfoliation of Graphite. 2019 , 4, 241-247	4
1807	Poly (ethylene glycol) stabilized synthesis of inorganic cesium lead iodide polycrystalline light-absorber for perovskite solar cell. 2019 , 240, 132-135	7
1806	Improving Cancer Vaccine Efficiency by Nanomedicine. 2019 , 3, e1800287	11
1805	Novel polymeric biomaterial poly(butyl-2-cyanoacrylate) nanowires: synthesis, characterization and formation mechanism. 2019 , 175, 454-462	4
1804	Role of GeI2 and SnF2 additives for SnGe perovskite solar cells. 2019 , 58, 130-137	62
1803	Promoting the Hole Extraction with Co3O4 Nanomaterials for Efficient Carbon-Based CsPbI2Br Perovskite Solar Cells. 2019 , 3, 1800315	32
1802	Morphology and scaling of compound eyes in the smallest beetles (Coleoptera: Ptiliidae). 2019 , 48, 83-97	8
1801	The developing relationship between the study of fungal communities and community ecology theory. 2019 , 39, 393-402	11
1800	Annealing-assisted high-pressure torsion in Zr55Cu30Al10Ni5 metallic glass. 2019 , 784, 1323-1333	10
1799		
1/99	Thickness dependent electronic properties of Pt dichalcogenides. 2019 , 3,	84
	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019 , 34, 31-39	22
1798	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019 , 34, 31-39 Viewpoint: Localization Microscopy of Single Molecules Enhanced by 3D Imaging and Light Sheet	
1798 1797	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019 , 34, 31-39 Viewpoint: Localization Microscopy of Single Molecules Enhanced by 3D Imaging and Light Sheet Illumination. 2019 , 52, Synthesis and magnetic studies of nanocrystalline Cu2OSeO3, a chiral topological magnet. 2019 ,	22
1798 1797 1796	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019, 34, 31-39 Viewpoint: Localization Microscopy of Single Molecules Enhanced by 3D Imaging and Light Sheet Illumination. 2019, 52, Synthesis and magnetic studies of nanocrystalline Cu2OSeO3, a chiral topological magnet. 2019, 474, 122-126 Photoluminescence of platinum(II) diethynylphenanthroline organometallic complexes with	3
1798 1797 1796 1795	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019, 34, 31-39 Viewpoint: Localization Microscopy of Single Molecules Enhanced by 3D Imaging and Light Sheet Illumination. 2019, 52, Synthesis and magnetic studies of nanocrystalline Cu2OSeO3, a chiral topological magnet. 2019, 474, 122-126 Photoluminescence of platinum(II) diethynylphenanthroline organometallic complexes with bis-arylethynyl derivatives in solution and solid state. 2019, 880, 116-123 SI: SCA Measures [Fuzzy rough set features of cognitive computations in the visual system. 2019,	3
1798 1797 1796 1795	Seasonal and long-term patterns in litterfall in a Bornean tropical rainforest. 2019, 34, 31-39 Viewpoint: Localization Microscopy of Single Molecules Enhanced by 3D Imaging and Light Sheet Illumination. 2019, 52, Synthesis and magnetic studies of nanocrystalline Cu2OSeO3, a chiral topological magnet. 2019, 474, 122-126 Photoluminescence of platinum(II) diethynylphenanthroline organometallic complexes with bis-arylethynyl derivatives in solution and solid state. 2019, 880, 116-123 SI: SCA Measures [Fuzzy rough set features of cognitive computations in the visual system. 2019, 36, 3155-3167 Orbitally forced glacio-eustatic origin of third-order sequences and parasequences in the Middle	22 3 2

(2019-2019)

1790	Plastic bag use in South Africa: Perceptions, practices and potential intervention strategies. 2019 , 84, 320-328	44
1789	Clay minerals for pharmaceutical wastewater treatment. 2019 , 167-196	9
1788	Progress in synthesizing protocells. 2019 , 244, 304-313	28
1787	Diamond nanofeathers. 2019 , 91, 165-172	5
1786	Neanderthals, vitamin C, and scurvy□ 2019 , 500, 172-184	2
1785	Archimedean Spiral Inspired Conductive Supramolecular Elastomer with Rapid Electrical and Mechanical Self-Healing Capability for Sensor Application. 2019 , 4, 1800424	11
1784	Spectral reflectance properties of magnetites: Implications for remote sensing. 2019 , 319, 525-539	27
1783	Regular arrangement of Pt nanoparticles on S-layer proteins isolated from Lactobacillus kefiri: synthesis and catalytic application. 2020 , 481, 110262	7
1782	Direct capture of carbon dioxide from air via lime-based sorbents. 2020 , 25, 25-41	14
1781	Perspectives on the effect of sulfur on the hydrocarbonaceous overlayer on iron Fischer-Tropsch catalysts. 2020 , 339, 32-39	7
1780	Co-Fe binary metal oxide electrocatalyst with synergistic interface structures for efficient overall water splitting. 2020 , 351, 44-49	25
1779	Anticancer activity of a novel methylated analogue of L-mimosine against an in vitro model of human malignant melanoma. 2020 , 38, 621-633	3
1778	Inter-individual variation in honey bee dance intensity correlates with expression of the foraging gene. 2020 , 19, e12592	6
1777	Severe Weather and the Reliability of Desk-Based Vulnerability Assessments: The Impact of Hurricane Maria to Puerto Rico Coastal Archaeology. 2020 , 15, 244-263	10
1776	On the Assessment of Motor Imagery Ability: A Research Commentary. 2020 , 39, 397-408	3
1775	Development of a coastal vulnerability index using analytical hierarchy process and application to Ravenna province (Italy). 2020 , 183, 104982	26
1774	X-ray photoelectron spectroscopy and electrochemical investigation of the passive behavior of high-entropy FeCoCrNiMox alloys in sulfuric acid. 2020 , 499, 143903	33
1773	Recent advances in amniote palaeocolour reconstruction and a framework for future research. 2019 , 95, 22	13

1772	Investigating the operation parameters for ammonia synthesis in dielectric barrier discharge reactors. 2020 , 53, 014008	19
1771	Mucosal-associated invariant T cells and V2 IT cells in community acquired pneumonia: association of abundance in sputum with clinical severity and outcome. 2020 , 199, 201-215	5
1770	Study of the stability of ⊞e/MnS interfaces from first principles and experiment. 2020 , 501, 144017	10
1769	Correlation between sunspots and interplanetary shocks measured by ACE during 1998\(\bar{\pi}\)014 and some estimations for the 22nd solar cycle and the years between 2015 and 2018 with artificial neural network using the Cavus 2013 model. 2020, 65, 1035-1047	5
1768	Improving the stability of photosystem IBased bioelectrodes for solar energy conversion. 2020 , 19, 27-34	16
1767	Quorum sensing for population-level control of bacteria and potential therapeutic applications. 2020 , 77, 1319-1343	39
1766	A zinc-quinone battery for paired hydrogen peroxide electrosynthesis. 2020 , 559, 324-330	5
1765	Pore space characteristics and corresponding effect on tensile properties of Inconel 625 fabricated via laser powder bed fusion. 2020 , 769, 138525	22
1764	Cyclodipeptide synthases: a promising biotechnological tool for the synthesis of diverse 2,5-diketopiperazines. 2020 , 37, 312-321	17
1763	Structural environment of chloride ion-conducting solids based on lanthanum oxychloride. 2020 , 103, 297-303	7
1762	Astronomical cycles and variations in sediment accumulation rate of the terrestrial lower Cretaceous Xiagou Formation from the Jiuquan Basin, NW China. 2020 , 109, 104156	9
1761	Emerging Bottom-Up Strategies for the Synthesis of Graphene Nanoribbons and Related Structures. 2020 , 132, 4652-4661	16
1760	Photonic Engineering Technology for the Development of Terahertz Quantum Cascade Lasers. 2020 , 8, 1900573	15
1759	Rapid microsphere-assisted peptide screening (MAPS) of promiscuous MHCII-binding peptides in Zika virus envelope protein. 2020 , 66, e16697	2
1758	Emerging Bottom-Up Strategies for the Synthesis of Graphene Nanoribbons and Related Structures. 2020 , 59, 4624-4633	41
1757	Mechanochemical Synthesis of Sn(II) and Sn(IV) Iodide Perovskites and Study of Their Structural, Chemical, Thermal, Optical, and Electrical Properties. 2020 , 8, 1900788	20
1756	Pyridoanthrone-based chromo-fluorogenic amphiphiles for selective CNIdetection and their bioimaging application. 2020 , 304, 127396	12
1755	Stannites IA New Promising Class of Durable Electrocatalysts for Efficient Water Oxidation. 2020 , 12, 1161-1168	12

1754	Recent Progress in Unusual Carbohydrate-Containing Natural Products Biosynthesis. 2020 , 336-392	1
1753	Fabrication of efficient CsPbBr3 perovskite solar cells by single-source thermal evaporation. 2020 , 818, 152903	32
1752	Following the oxidation state of organosulfur compounds with NMR: Experimental data versus DFT calculations and database-powered NMR prediction. 2020 , 1202, 127346	3
1751	Microstructure and compression resistance of bean goose (Anser fabalis) feather shaft. 2020 , 83, 156-164	3
1750	Biological Nitrogen Fixation Does Not Replace Nitrogen Losses After Forest Fires in the Southeastern Amazon. 2020 , 23, 1037-1055	6
1749	A multidrug and toxic compound extrusion (MATE) transporter modulates auxin levels in root to regulate root development and promotes aluminium tolerance. 2020 , 43, 745-759	15
1748	The Bruneian record of B orneo Amber[]A regional review of fossil tree resins in the Indo-Australian Archipelago. 2020 , 201, 103005	8
1747	On the Virtue of Indium in Reduction Reactions. A Comparison of Reductions Mediated by Indium and Zinc: Is Indium Metal an Effective Catalyst for Zinc Induced Reductions?. 2020 , 2020, 1106-1113	3
1746	Constructing an inorganic/organic mixed protective film for low-cost fabrication of stable lithium metal anode. 2020 , 818, 152862	6
1745	AIE polymers: Synthesis and applications. 2020 , 100, 101176	113
1745 1744	AIE polymers: Synthesis and applications. 2020, 100, 101176 Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020, 55, 3484-3494	113 7
1744	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via	
1744	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020 , 55, 3484-3494	
1744	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020, 55, 3484-3494 The Role of Invariant Natural Killer T Cells in Autoimmune Diseases. 2020, 117-153 Evaluating genomic data for management of local adaptation in a changing climate: A lodgepole	7
1744 1743 1742	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020, 55, 3484-3494 The Role of Invariant Natural Killer T Cells in Autoimmune Diseases. 2020, 117-153 Evaluating genomic data for management of local adaptation in a changing climate: A lodgepole pine case study. 2020, 13, 116-131 Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous	7 1 32
1744 1743 1742 1741	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020, 55, 3484-3494 The Role of Invariant Natural Killer T Cells in Autoimmune Diseases. 2020, 117-153 Evaluating genomic data for management of local adaptation in a changing climate: A lodgepole pine case study. 2020, 13, 116-131 Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. 2020, 63, 103-115 Making by Grinding: Mechanochemistry Boosts the Development of Halide Perovskites and Other	7 1 32 15
1744 1743 1742 1741 1740	Solar perovskite thin films with enhanced mechanical, thermal, UV, and moisture stability via vacuum-assisted deposition. 2020, 55, 3484-3494 The Role of Invariant Natural Killer T Cells in Autoimmune Diseases. 2020, 117-153 Evaluating genomic data for management of local adaptation in a changing climate: A lodgepole pine case study. 2020, 13, 116-131 Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. 2020, 63, 103-115 Making by Grinding: Mechanochemistry Boosts the Development of Halide Perovskites and Other Multinary Metal Halides. 2020, 10, 1902499 Efficient and Selective Oxidation of Aromatic Amines to Azoxy Derivatives over Aluminium and	7 1 32 15 38

1736	Effects of LaAlO3 and La2O2S inclusions on the initialization of localized corrosion of pipeline steels in NaCl solution. 2020 , 177, 151-156		15
1735	Surface modification of CdSe nanocrystals: Application to polymer solar cell. 2020 , 20, 470-476		7
1734	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. <i>Nature Communications</i> , 2020 , 11, 163	17.4	140
1733	Base-Mediated Reductive Coupling of Indole-3-tosylhydrazone with Thiols/Boronic Acids: Facile Synthesis of 3-(phenylthio)methyl/benzyl Indole Derivatives. 2020 , 5, 591-600		4
1732	Cobalt-lignosulfonate complex derived non-noble catalysts: Facile valorization for high-performance redox conversion of organic pollutants. 2020 , 253, 120013		6
1731	Effect of Cu modifier on the performance of CrOx/Al2O3 catalysts for isobutane dehydrogenation. 2020 , 215, 115462		6
1730	Influence of Al doping on random lasing in ZnO nanorods. 2020 , 124, 106004		3
1729	Ni-Fe-MoO42- LDHs/epoxy resin varnish: A composite coating on carbon steel for long-time and active corrosion protection. 2020 , 140, 105514		7
1728	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. 2020 , 56, e2019	9WR0	2 49 57
1727	Poly(ionic liquid) hydrogel-based anti-freezing ionic skin for a soft robotic gripper. 2020 , 7, 919-927		135
, ,	Poly(ionic liquid) hydrogel-based anti-freezing ionic skin for a soft robotic gripper. 2020 , 7, 919-927 Activation of atom-precise clusters for catalysis. 2020 , 2, 55-69		135 26
, ,			
1726	Activation of atom-precise clusters for catalysis. 2020 , 2, 55-69 A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H generation. 2020 , 12, 991-1001 Ambition in the making: analysing the preparation and implementation process of the Nationally		26
1726 1725	Activation of atom-precise clusters for catalysis. 2020 , 2, 55-69 A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H generation. 2020 , 12, 991-1001 Ambition in the making: analysing the preparation and implementation process of the Nationally		26
1726 1725 1724	Activation of atom-precise clusters for catalysis. 2020, 2, 55-69 A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H generation. 2020, 12, 991-1001 Ambition in the making: analysing the preparation and implementation process of the Nationally Determined Contributions under the Paris Agreement. 2020, 20, 415-429 Geomechanical behaviour of gassy soils and implications for submarine slope stability: a literature		26
1726 1725 1724 1723	Activation of atom-precise clusters for catalysis. 2020, 2, 55-69 A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H generation. 2020, 12, 991-1001 Ambition in the making: analysing the preparation and implementation process of the Nationally Determined Contributions under the Paris Agreement. 2020, 20, 415-429 Geomechanical behaviour of gassy soils and implications for submarine slope stability: a literature analysis. 2020, 500, 277-288		26 23 10 4
1726 1725 1724 1723	Activation of atom-precise clusters for catalysis. 2020, 2, 55-69 A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H generation. 2020, 12, 991-1001 Ambition in the making: analysing the preparation and implementation process of the Nationally Determined Contributions under the Paris Agreement. 2020, 20, 415-429 Geomechanical behaviour of gassy soils and implications for submarine slope stability: a literature analysis. 2020, 500, 277-288 Infrared optical and thermal properties of microstructures in butterfly wings. 2020, 117, 1566-1572 Knowledge from the ancient sea 🗈 long-term perspective of human impact on aquatic life in Mesolithic Scandinavia. 2020, 30, 632-645		26 23 10 4 23

(2020-2020)

1718	DFT study of trialkylborohydride-catalysed hydrosilylation of alkenes Ithe mechanism and its implications. 2020 , 10, 1066-1072	7
1717	Relating structural disorder and melting in complex mixed ligand zeolitic imidazolate framework glasses. 2020 , 49, 850-857	17
1716	Oxygen-tolerant electroproduction of C2 products from simulated flue gas. 2020 , 13, 554-561	45
1715	Selective production of 5-hydroxymethylfurfural from fructose in the presence of an acid-functionalized SBA-15 catalyst modified with a sulfoxide polymer. 2020 , 5, 257-268	12
1714	Immobilization of catalytic sites on quantum dots by ligand bridging for photocatalytic CO reduction. 2020 , 12, 2507-2514	13
1713	Towards supramolecular nanostructured materials: control of the self-assembly of ionic bent-core amphiphiles. 2020 , 8, 1998-2007	9
1712	The emerging landscape of health research based on biobanks linked to electronic health records: Existing resources, statistical challenges, and potential opportunities. 2020 , 39, 773-800	15
1711	Magnetically tunable atom-exchange process involving ultracold weakly bound Feshbach molecules. 2020 , 63, 1	
1710	PM2.5 over North China based on MODIS AOD and effect of meteorological elements during 2003 2 015. 2020 , 14, 1	11
1709	Nonspecific interactions in biomedical applications. 2020 , 47, 70-83	6
1708	Imidodiphosphorimidate (IDPi) as an efficient organocatalyst for controlled/living ring-opening polymerization of lactones. 2020 , 123, 109449	7
1707	Chiral Ferrocenyl-Bismuthines containing N/O donor pendant arm: Syntheses and molecular structures. 2020 , 502, 119353	1
1706	Design of an on-chip Fourier transform spectrometer based on waveguide Machidehnder Interferometer and fluidics. 2020 , 460, 125103	1
1705	Combining epigenetic and immune therapy to overcome cancer resistance. 2020 , 65, 99-113	35
1704	Cost-effective stretchable Ag nanoparticles electrodes fabrication by screen printing for wearable strain sensors. 2020 , 384, 125308	29
1703	Reconsolidation or interference? Aging effects and the reactivation of novel and familiar episodic memories. 2020 , 28, 839-849	2
1702	Discordant Zika Virus Findings in Twin Pregnancies Complicated by Antenatal Zika Virus Exposure: A Prospective Cohort. 2020 , 221, 1838-1845	7
1701	Macrophage-Mediated Delivery of Hypoxia-Activated Prodrug Nanoparticles. 2020 , 3, 1900162	10

1700	InorganicDrganic Hybrids of Tungsten Oxide as the High Performance Intercalation Supercapacitor Electrodes. 2020 , 30, 2406-2417	1
1699	Promoting knowledge sharing in the workplace: Punishment v. reward. 2020 , 131, 109518	7
1698	Molecular beam epitaxy fabrication of two-dimensional materials. 2020, 103-134	1
1697	Smart and selective cancer-killing peptides with cell penetrating sequence and dual-targeting mechanism. 2020 , 586, 124185	7
1696	Untargeted metabolomic analysis using UPLC-MS/MS identifies metabolites involved in shoot growth and development in pruned tea plants (Camellia sinensis (L.) O. Kuntz). 2020 , 264, 109164	7
1695	Exposing Hidden Targets: Combining epigenetic and immunotherapy to overcome cancer resistance. 2020 , 65, 114-122	21
1694	Robust axion insulator and Chern insulator phases in a two-dimensional antiferromagnetic topological insulator. 2020 , 19, 522-527	235
1693	Mass spectrometric detection of enantioselectivity in three-component complexation, copper(ii)-chiral tetradentate ligand-free amino acid in solution. 2019 , 56, 54-57	6
1692	A theoretical indicator of transition-metal nanoclusters applied in the carbon nanotube nucleation process: a DFT study. 2020 , 49, 492-503	6
1691	Photodynamic Therapy and the Biophysics of the Tumor Microenvironment. 2020 , 96, 232-259	28
1690	The chance of recurrence of hyperemesis gravidarum: A systematic review. 2020 , 5, 100105	5
1689	Effects of a hovering unmanned aerial vehicle on urban soundscapes perception. 2020 , 78, 102195	19
1688	Tumor propagating cells: drivers of tumor plasticity, heterogeneity, and recurrence. 2020 , 39, 2055-2068	19
1687	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in Bacillus subtilis. 2020 , 48, 996-1009	57
1686	Electroluminescence transients and correlation with steady-state solar output in solution-prepared CH3NH3PbI3 perovskite solar cells using different contact materials. 2020 , 53, 115501	2
1685	Hippo-Yap/Taz signaling: Complex network interactions and impact in epithelial cell behavior. 2020 , 9, e371	7
1684	Large-scale giant architectonic electrodes designated with complex geometrics and super topographic surfaces for fully cycled dynamic LIB modules. 2020 , 26, 260-275	11
1683	Concepts, fabrication methods and applications of living crystallization-driven self-assembly of block copolymers. 2020 , 101, 101195	57

(2020-2020)

1682	Metabolite database for root, tuber, and banana crops to facilitate modern breeding in understudied crops. 2020 , 101, 1258-1268	20
1681	Optimization of Electrode Potential Ranges for Constructing 4.0 V Carbon-Based Supercapacitors. 2020 , 7, 624-630	3
1680	Molecular recognition-directed site-specific release of stem cell differentiation inducers for enhanced joint repair. 2020 , 232, 119644	23
1679	Diverse responses of radial growth to climate across the southern part of the Asian boreal forests in northeast China. 2020 , 458, 117759	4
1678	Thin porous nanosheets of NiFe layered-double hydroxides toward a highly efficient electrocatalyst for water oxidation. 2020 , 45, 1948-1958	19
1677	Two styles of plate tectonics in Earth history. 2020 , 65, 329-334	48
1676	Phenology of nocturnal avian migration has shifted at the continental scale. 2020 , 10, 63-68	33
1675	Carbon-Free Nanocoral-Structured Platinum Electrocatalyst for Enhanced Methanol Oxidation Reaction Activity with Superior Poison Tolerance. 2020 , 7, 452-459	1
1674	Spin Transport Study in Chromium Trihalides CrCl3, CrBr3, and CrI3: an Ab Initio Study. 2020 , 33, 1447-1456	1
1673	Catalyst-Free Growth of MoS2 Nanorods Synthesized by Dual Pulsed Laser-Assisted Chemical Vapor Deposition and Their Structural, Optical and Electrical Properties. 2020 , 49, 1957-1968	5
1672	Particular H2O dissolution mechanism in iron-rich melt: Application to martian basaltic melt genesis. 2020 , 51, 493-507	2
1671	Intercalation of zwitterionic surfactants dramatically enhances the performance of low-pressure nanofiltration membrane. 2020 , 596, 117726	9
1670	Cobalt-doping SnS nanosheets towards high-performance anodes for sodium ion batteries. 2020 , 12, 248-255	43
1669	In situ bioimaging of Lactobacillus by photoluminescence of MoS2. 2020 , 7, 024002	2
1668	From Molecular Machines to Stimuli-Responsive Materials. 2020 , 32, e1906036	64
1667	Self-growing Cu/Sn bimetallic electrocatalysts on nitrogen-doped porous carbon cloth with 3D-hierarchical honeycomb structure for highly active carbon dioxide reduction. 2020 , 264, 118447	42
1666	An integrative approach for fine-mapping chromatin interactions. 2020 , 36, 1704-1711	5
1665	Ink Development and Printing of Conducting Polymers for Intrinsically Stretchable Interconnects and Circuits. 2020 , 6, 1900681	30

1664	Intergranular aragonite cement as evidence for widespread cryogenic brine formation during Quaternary glaciation in the McMurdo Sound region, Antarctica. 2020 , 269, 329-345	О
1663	Coral-like hierarchical structured carbon nanoscaffold with improved sensitivity for biomolecular detection in cancer tissue. 2020 , 150, 111924	10
1662	Strategies for in vitro engineering of the translation machinery. 2020 , 48, 1068-1083	27
1661	Vertebral pneumatic structures in the Early Cretaceous sauropod dinosaur Pilmatueia faundezi from northwestern Patagonia, Argentina. 2020 , 53, 369-381	2
1660	Production of benzylamine by tandem dehydrogenation/amination/reduction over Cu and Au catalysts. 2020 , 590, 117368	6
1659	Computational MS/MS Fragmentation and Structure Elucidation Using MS-FINDER Software. 2020 , 189-210	
1658	Stable Li Metal Anode Enabled by Space Confinement and Uniform Curvature through Lithiophilic Nanotube Arrays. 2020 , 10, 1902819	30
1657	Dual Play of Chitin-Derived N-Doped Carbon Nanosheets Enabling High-Performance Na-SeS2 Half/Full Cells. 2020 , 3, 165-173	11
1656	2D materials for bio-photonic applications. 2020 , 253-280	1
1655	Social cognition in context: A naturalistic imaging approach. 2020 , 216, 116392	17
1654	Highly Porous Hybrid Metal-Organic Nanoparticles Loaded with Gemcitabine Monophosphate: a Multimodal Approach to Improve Chemo- and Radiotherapy. 2020 , 15, 274-283	14
1653	Effective surface emissivity and heat dissipation among integrated bamboo-like super-black vertical carbon nanotube array electrodes in silicon via holes. 2020 , 158, 846-856	4
1652	Recent advances in steroid amino acid conjugates: Old scaffolds with new dimensions. 2020 , 187, 111909	12
1651	Deep strategic mediatization: Organizational leaders[knowledge and usage of social bots in an era of disinformation. 2020 , 51, 102042	7
1650	Strain tunable Schottky barriers and tunneling characteristics of borophene/MX2 van der Waals heterostructures. 2020 , 120, 113842	3
1649	The Glycopeptide Antibiotics. 2020 , 247-283	O
1648	Roles of different update strategies in the vaccination behavior on two-layered networks. 2020 , 384, 126224	6
1647	Molecularly tagged genes and quantitative trait loci in cucumber with recommendations for QTL nomenclature. 2020 , 7, 3	33

·	Direct Generation of Radially Polarized Vector Vortex Beam with an Exciton-Polariton Laser. 2020 , 14,	5
1645	Metagratings for Waterborne Sound: Various Functionalities Enabled by an Efficient Inverse-Design Approach. 2020 , 14,	11
1644	Genomic differentiation and local adaptation on a microgeographic scale in a resident songbird. 2020 , 29, 4295-4307	3
1643	Ten simple rules for building an antiracist lab. 2020 , 16, e1008210	39
1642	Recent Advances in Nanotechnology-Aided Materials in Combating Microbial Resistance and Functioning as Antibiotics Substitutes. 2020 , 15, 7329-7358	28
1641	Natural Agents Targeting Mitochondria in Cancer. 2020 , 21,	14
1640	An Overview on Noble Metal (Group VIII)-based Heterogeneous Electrocatalysts for Nitrogen Reduction Reaction. 2020 , 15, 4131-4152	10
1639	Nanoporous materials for chiral resolution. 2020 , 425, 213481	16
1638	Design principles of tissue organisation: How single cells coordinate across scales. 2020 , 67, 37-45	10
1637	Applying droplets and films in evaporative lithography. 2020 , 285, 102271	12
1636	Metals in polymers: hybridization enables new functions. 2020 , 8, 15956-15980	11
1635	"The structure of the Type III secretion system export gate with CdsO, an ATPase lever arm". 2020 , 16, e1008923	12
1635 1634		12 57
	16, e1008923 Progress in TENG technology∆ journey from energy harvesting to nanoenergy and nanosystem.	
1634	Progress in TENG technology A journey from energy harvesting to nanoenergy and nanosystem. 2020, 2, e12058 Stable Spatially Localized Configurations in a Simple Structure A Global Symmetry-Breaking	57
1634 1633	Progress in TENG technology iourney from energy harvesting to nanoenergy and nanosystem. 2020, 2, e12058 Stable Spatially Localized Configurations in a Simple Structure Global Symmetry-Breaking Approach. 2020, 142, 163-199 On the Texture Weakening During Electropulse Annealing Treatment of Mg-1Ce Alloy: The Role of	57
1634 1633 1632	Progress in TENG technology iourney from energy harvesting to nanoenergy and nanosystem. 2020, 2, e12058 Stable Spatially Localized Configurations in a Simple Structure Global Symmetry-Breaking Approach. 2020, 142, 163-199 On the Texture Weakening During Electropulse Annealing Treatment of Mg-1Ce Alloy: The Role of Nucleation and Nucleus Growth. 2020, 51, 6640-6657 The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. 2020, 256, 79-97	57 3 4

1628	Efficiency enhancement of perovskite solar cell by using doubly carrier transport layers with a distinct bandgap of MAPbI3 active layer. 2020 , 224, 165430	8
1627	One-step synthesis of bi-functional zeolite catalyst with highly exposed octahedral Co for efficient epoxidation of bulky cycloalkenes. 2020 , 280, 128549	5
1626	A brief history behind the most used local anesthetics. 2020 , 76, 131628	4
1625	Identification of BCL-XL as highly active survival factor and promising therapeutic target in colorectal cancer. 2020 , 11, 875	9
1624	Improving the Designs of Nearest Neighbour Quantum Circuits for 1D and 2D Architectures. 2020 , 1-14	О
1623	Manganese dioxide (MnO) based nanomaterials for cancer therapies and theranostics. 2021 , 29, 911-924	7
1622	SIMPLEs: a single-cell RNA sequencing imputation strategy preserving gene modules and cell clusters variation. 2020 , 2, lqaa077	3
1621	Higher-energy triplet-pair states in polyenes and their role in intramolecular singlet fission. 2020 , 102,	5
1620	Genetic compensation rather than genetic assimilation drives the evolution of plasticity in response to mild warming across latitudes in a damselfly. 2020 , 29, 4823-4834	7
1619	A non-enveloped arbovirus released in lysosome-derived extracellular vesicles induces super-infection exclusion. 2020 , 16, e1009015	6
1618	Innate Lymphocytes in Inflammatory Arthritis. 2020 , 11, 565275	6
1617	Medicinal plants and bioactive natural compounds as inhibitors of HMG-CoA reductase: A literature review. 2020 , 46, 906-926	11
1616	The sperm ultrastructure of the click beetles (Elateridae) and related groups (Buprestidae and Lampyridae). 2020 , 59, 100978	3
1615	Anisotropic gold nanoparticles: A survey of recent synthetic methodologies. 2020 , 425, 213489	31
1614	Differential flexibility leading to crucial microelastic properties of asymmetric lipid vesicles for cellular transfection: A combined spectroscopic and atomic force microscopy studies. 2020 , 196, 111363	5
1613	Enhancement of tumour penetration by nanomedicines through strategies based on transport processes and barriers. 2020 , 328, 28-44	19
1612	Current status and future perspectives of lithium metal batteries. 2020 , 480, 228803	37
1611	Functionalized separator for next-generation batteries. 2020 , 41, 143-155	27

1610	208, 637-642	10
1609	Stimuli-responsive luminescent bithiophene-dicarbaldehyde molecular rotors by hydrogen bonding. 2020 , 8, 16100-16106	7
1608	CO2 green technologies in CO2 capture and direct utilization processes: methanation, reverse water-gas shift, and dry reforming of methane. 2020 , 4, 5543-5549	15
1607	Electronic and optical properties of low-dimensional group-IV monochalcogenides. 2020 , 128, 121101	6
1606	Sustainable Nanoplasmon-Enhanced Photoredox Reactions: Synthesis, Characterization, and Applications. 2020 , 10, 2002402	29
1605	A tunable silicon-on-insulator valley Hall photonic crystal at telecommunication wavelengths. 2020 , 131, 54002	3
1604	In vivo animal models confirm an increased virulence potential and pathogenicity of the NAP1/RT027/ST01 genotype within the MLST Clade 2. 2020 , 12, 45	2
1603	Surface Patterning of Hydrogel Biomaterials to Probe and Direct CellMatrix Interactions. 2020, 7, 2001198	15
1602	Anatomically segregated basal ganglia pathways allow parallel behavioral modulation. 2020 , 23, 1388-1398	35
1601	Bioapplications of small molecule Aza-BODIPY: from rational structural design to in vivo investigations. 2020 , 49, 7533-7567	99
1600	The role of oxygen vacancies in water splitting photoanodes. 2020 , 4, 5916-5926	27
1599	Multistage antiplasmodial activity of hydroxyethylamine compounds, in vitro and in vivo evaluations. 2020 , 10, 35516-35530	4
1598	SAMHD1 phosphorylation and cytoplasmic relocalization after human cytomegalovirus infection limits its antiviral activity. 2020 , 16, e1008855	6
1597	Ion-Gated Transistor: An Enabler for Sensing and Computing Integration. 2020 , 2, 2000156	11
1596	Oligometastatic colorectal cancer: prognosis, role of locoregional treatments and impact of first-line chemotherapy-a pooled analysis of TRIBE and TRIBE2 studies by Gruppo Oncologico del Nord Ovest. 2020 , 139, 81-89	3
1595	Genomic and experimental data provide new insights into luciferin biosynthesis and bioluminescence evolution in fireflies. 2020 , 10, 15882	4
1594	Quantum dot-carbonaceous nanohybrid composites: preparation and application in electrochemical energy storage. 2020 , 8, 22488-22506	9
1593	What drives phenological synchrony? Warm springs advance and desynchronize flowering in oaks. 2020 , 294, 108140	5

1592	Sequencing dropout-and-batch effect normalization for single-cell mRNA profiles: a survey and comparative analysis. 2021 , 22,	2
1591	Circular dichroism in higher-order harmonic generation: Heralding topological phases and transitions in Chern insulators. 2020 , 102,	33
1590	Unprecedented reduction and quick recovery of the South Indian Ocean heat content and sea level in 2014-2018. 2020 , 6,	13
1589	Photosynthesis Z-Scheme biomimicry: Photosystem I/BiVO photo-bioelectrochemical cell for donor-free bias-free electrical power generation. 2020 , 168, 112517	3
1588	Rapid prediction of head rice yield and grain shape for genome-wide association study in indica rice. 2020 , 96, 103091	4
1587	Exploring the synthetic biology potential of bacteriophages for engineering non-model bacteria. Nature Communications, 2020 , 11, 5294	14
1586	Cell-cell interfaces as specialized compartments directing cell function. 2020 , 21, 750-764	14
1585	Intramolecular aryl-aryl coupling C-F bond activation tolerant towards C-I functionality. 2020 , 56, 14377-143	80 1
1584	Frontiers in atomistic simulations of high entropy alloys. 2020 , 128, 150901	16
1583	Highly Selective CO2 Electroreduction to CH4 by In Situ Generated Cu2O Single-Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. 2020 , 132, 23849-23856	34
1582	Epigenetics and epigenomics: underlying mechanisms, relevance, and implications in crop improvement. 2020 , 20, 739-761	18
1581	Cell-free systems for accelerating glycoprotein expression and biomanufacturing. 2020 , 47, 977-991	12
1580	Novel selective laser melting processed in-situ TiC particle-reinforced Ni matrix composite with excellent processability and mechanical properties. 2020 , 797, 140145	7
1579	Synthesis of cubic transition-metal networks from polymer cubosome templates. 2020 , 56, 14059-14062	3
1578	Record-efficiency flexible perovskite solar cell and module enabled by a porous-planar structure as an electron transport layer. 2020 , 13, 4854-4861	80
1577	Accelerating Redox Kinetics of Lithium-Sulfur Batteries. 2020 , 2, 1020-1033	15
1576	Super-resolution Microscopy with Single Molecules in Biology and Beyond-Essentials, Current Trends, and Future Challenges. 2020 , 142, 17828-17844	45
1575	Simulation of Nonradiative Energy Transfer in Photosynthetic Systems Using a Quantum Computer. 2020 , 2020, 1-12	1

1574	Roles of circulating microRNA(s) in human breast cancer. 2020 , 695, 108583	8
1573	When liposomes met antibodies: Drug delivery and beyond. 2020 , 154-155, 151-162	18
1572	Layered ferric vanadate nanosheets as a high-rate NH4+ storage electrode. 2020 , 360, 137008	17
1571	Nondestructive quantification of single-cell nuclear and cytoplasmic mechanical properties based on large whole-cell deformation. 2020 , 20, 4175-4185	4
1570	Increasing climate-driven taxonomic homogenization but functional differentiation among river macroinvertebrate assemblages. 2020 , 26, 6904-6915	8
1569	Thermoelectric Properties of n-type PEDOT:PSS/Boron Phosphate Hybrid Composites. 2020 , 49, 7560-7567	4
1568	Effect of REs (Y, Nd) addition on high temperature oxidation kinetics, oxide layer characteristic and activation energy of AZ80 alloy. 2020 , 8, 1281-1295	5
1567	Cocaine-related DNA methylation in caudate neurons alters 3D chromatin structure of the IRXA gene cluster. 2021 , 26, 3134-3151	5
1566	Robust ferromagnetism in wafer-scale monolayer and multilayer Fe3GeTe2. 2020 , 4,	8
1565	Sequence variation and immunogenicity of the Mycoplasma genitalium MgpB and MgpC adherence proteins during persistent infection of men with non-gonococcal urethritis. 2020 , 15, e0240626	3
1564	Heterojunction Channels in Oxide Semiconductors for Visible-Blind Nonvolatile Optoelectronic Memories. 2020 , 6, 2000747	4
1563	Chinese oolong tea: An aromatic beverage produced under multiple stresses. 2020 , 106, 242-253	31
1562	The STEM Graduate: Immediately after Graduation, Men and Women Already Differ in Job Outcomes, Attributions for Success, and Desired Job Characteristics. 2020 , 76, 512-542	6
1561	Understanding the nature of association between anxiety phenotypes and anorexia nervosa: a triangulation approach. 2020 , 20, 495	9
1560	Data integration for inferring context-specific gene regulatory networks. 2020 , 23, 38-46	О
1559	Sustainable cooling system for Kuwait hot climate combining diurnal radiative cooling and indirect evaporative cooling system. 2020 , 213, 119045	16
1558	A latent process model approach to improve the utility of indicator species. 2020 , 129, 1753-1762	1
1557	Electrospun Ni-Ni(OH)2/Carbon Nanofibers as Flexible Binder-Free Supercapacitor Electrode with Enhanced Specific Capacitance. 2020 , 49, 7211-7218	4

1556	A 2D-SnSe film with ferroelectricity and its bio-realistic synapse application. 2020 , 12, 21913-21922	11
1555	Toward all on chip optical detection in the few molecule regime. 2020 , 169, 112600	1
1554	3D organ printing: Review on operational challenges and constraints. 2020 , 33, 4703-4707	2
1553	Controlling the Structure of MoS Membranes via Covalent Functionalization with Molecular Spacers. 2020 , 20, 7844-7851	5
1552	Rationally designed transition metal hydroxide nanosheet arrays on graphene for artificial CO reduction. <i>Nature Communications</i> , 2020 , 11, 5181	4 82
1551	Multi-scale quantification and modeling of aged nanostructured silicon-based composite anodes. 2020 , 3,	8
1550	Elucidating the effect of precursor decomposition time on the structural and optical properties of copper(i) nitride nanocubes 2020 , 10, 34231-34246	6
1549	Seipin-Mediated Contacts as Gatekeepers of Lipid Flux at the Endoplasmic Reticulum[lipid Droplet Nexus´. 2020 , 3, 251525642094582	9
1548	Visualizing the Anomalous Charge Density Wave States in Graphene/NbSe Heterostructures. 2020 , 32, e2003746	8
1547	Syngas and Methanol-Based Biorefinery Concepts. 2020 , 92, 1680-1699	7
1546	Kilometer-scale modeling projects a tripling of Alaskan convective storms in future climate. 2020 , 55, 3543-3564	9
1545	Sharpening gene editing toolbox in Arabidopsis for plants. 2020 , 29, 769-784	7
1544	Artificial synaptic characteristics of TiO2/HfO2 memristor with self-rectifying switching for brain-inspired computing. 2020 , 140, 110236	23
1543	Unmasking of the temperature window and mechanism for lbss of passivationleffect of a Cr-13 type martensite stainless steel. 2020 , 177, 108951	8
1542	Oil palm plantations are large sources of nitrous oxide, but where are the data to quantify the impact on global warming?. 2020 , 47, 81-88	7
1541	Incorporation of lysine-modified UiO-66 for the construction of thin-film nanocomposite nanofiltration membrane with enhanced water flux and salt selectivity. 2020 , 493, 114661	21
1540	A Weak Link with Actin Organizes Tight Junctions to Control Epithelial Permeability. 2020 , 54, 792-804.e7	14
1539	Theoretical design of new bridge-ring insensitive high energy compounds by selected normal Diels-Alder reactions between NH2-substituted oxazoles and NO2/NF2/NHNO2-substituted ethylenes/acetylenes. 2020 , 17, 1731-1731	2

1538	Electrodeposited thiophene-containing organic small molecule-modified ITO electrode with highly efficient photoelectric conversion and photoelectrochemical oxygen reduction. 2020 , 362, 137150	5
1537	Nepeta curviflora essential oil: Phytochemical composition, antioxidant, anti-proliferative and anti-migratory efficacy against cervical cancer cells, and Eglucosidase, Emylase and porcine pancreatic lipase inhibitory activities. 2020 , 158, 112946	6
1536	Near-complete genome of cosavirus A from a child hospitalized with acute gastroenteritis, Brazil. 2020 , 85, 104555	
1535	Mouse models for V103I and I251L gain of function variants of the human MC4R display decreased adiposity but are not protected against a hypercaloric diet. 2020 , 42, 101077	3
1534	Bacterial Vector-Borne Plant Diseases: Unanswered Questions and Future Directions. 2020 , 13, 1379-1393	17
1533	Antibiotics and antibiotic resistant genes (ARGs) in groundwater: A global review on dissemination, sources, interactions, environmental and human health risks. 2020 , 187, 116455	118
1532	Plasmonic antenna coupling to hyperbolic phonon-polaritons for sensitive and fast mid-infrared photodetection with graphene. <i>Nature Communications</i> , 2020 , 11, 4872	19
1531	Single-virus genomics and beyond. 2020 , 18, 705-716	5
1530	metaFlye: scalable long-read metagenome assembly using repeat graphs. 2020 , 17, 1103-1110	101
1529	A highly stable octa-coordinated energetic complex. 2020 , 22, 6591-6595	O
1528	A water destructible SnS2 QD/PVA film based transient multifunctional sensor and machine learning assisted stimulus identification for non-invasive personal care diagnostics. 2020 , 1, 2818-2830	16
1527	Shaping non-noble metal nanocrystals colloidal chemistry. 2020 , 11, 11394-11403	10
1526	Traps in metal halide perovskites: characterization and passivation. 2020 , 12, 22425-22451	14
1525	Visible/infrared light-driven high-efficiency CO2 conversion into ethane based on a Bto synergistic catalyst. 2020 , 8, 22327-22334	11
1524	Unveiling the light soaking effects of the CsPbI3 perovskite solar cells. 2020 , 472, 228506	13
1523	Immune escape: A critical hallmark in solid tumors. 2020 , 258, 118110	48
1522	The antimalarial resistome - finding new drug targets and their modes of action. 2020 , 57, 49-55	16
1521	Electrochemical CO reduction to high-concentration pure formic acid solutions in an all-solid-state reactor. <i>Nature Communications</i> , 2020 , 11, 3633	106

1520	Multi-terminal ionic-gated low-power silicon nanowire synaptic transistors with dendritic functions for neuromorphic systems. 2020 , 12, 16348-16358	13
1519	pH-Responsive Polymer D rug Conjugate: An Effective Strategy to Combat the Antimicrobial Resistance. 2020 , 30, 2002655	28
1518	Random Parametric Perturbations of Gene Regulatory Circuit Uncover State Transitions in Cell Cycle. 2020 , 23, 101150	1
1517	Responsible, practical genomic data sharing that accelerates research. 2020 , 21, 615-629	20
1516	A fundamental study of the thermoelectrochemistry of ferricyanide/ferrocyanide: cation, concentration, ratio, and heterogeneous and homogeneous electrocatalysis effects in thermogalvanic cells. 2020 , 4, 3388-3399	19
1515	Triterpenoids isolated from (MllArg.) inhibit the NF-B and HIF-1 \oplus athways in tumour cells. 2021 , 35, 5843-5847	1
1514	Climbing Plant-Inspired Micropatterned Devices for Reversible Attachment. 2020 , 30, 2003380	11
1513	General Synthesis of Single-Atom Catalysts for Hydrogen Evolution Reactions and Room-Temperature Na-S Batteries. 2020 , 59, 22171-22178	38
1512	Tautomeric and E-Z equilibria of the herbicide clethodim in water and organic solvents: A nuclear magnetic resonance and theoretical study. 2020 , 33, e4108	1
1511	A fully stabilized low-phase-noise Kerr-lens mode-locked Yb:CYA laser frequency comb with an average power of 1.5 W. 2020 , 126, 1	3
1510	Electrocatalytic reduction of carbon dioxide on goldDopper bimetallic nanoparticles: Effects of surface composition on selectivity. 2020 , 356, 136756	15
1509	Recent advances in interface engineering of all-inorganic perovskite solar cells. 2020 , 12, 17149-17164	11
1508	Theoretical Analysis Properties of Gold Nanoparticles Resulted by Bioreduction Process. 2020 , 1463, 012008	1
1507	Enhanced higher harmonic generation from nodal topology. 2020 , 102,	8
1506	Redefining fundamental concepts of transcription initiation in bacteria. 2020 , 21, 699-714	41
1505	Rare-earth metal-organic frameworks: from structure to applications. 2020 , 49, 7949-7977	107
1504	Mesoscopic open-eye corelhell spheroid carved anode/cathode electrodes for fully reversible and dynamic lithium-ion battery models. 2020 , 2, 3525-3541	7
1503	analysis of multiple blood flow determinants using red blood cell dynamics under oscillatory flow. 2020 , 145, 5996-6005	2

1502	recording. 2020 , 4, 3444-3471	2
1501	A Bayesian framework for inter-cellular information sharing improves dscRNA-seq quantification. 2020 , 36, i292-i299	2
1500	The Promyelocytic Leukemia Protein facilitates human herpesvirus 6B chromosomal integration, immediate-early 1 protein multiSUMOylation and its localization at telomeres. 2020 , 16, e1008683	6
1499	Mediated Drug Release from Nanovehicles by Black Phosphorus Quantum Dots for Efficient Therapy of Chronic Obstructive Pulmonary Disease. 2020 , 59, 20568-20576	27
1498	Particle formation and surface processes on atmospheric aerosols: A review of applied quantum chemical calculations. 2020 , 120, e26350	10
1497	Circadian Rhythms in Environmental Health Sciences. 2020 , 7, 272-281	4
1496	Recent advances in single metal atom-doped MoS2 as catalysts for hydrogen evolution reaction. 2020 , 2, 147-161	24
1495	Design, synthesis, crystal structure and luminescent properties introduced by Eu of a new type of rare-earth borophosphate CsNaREE(BO)(PO) (REE = Y, Gd). 2020 , 49, 10104-10113	9
1494	GLIDE: combining local methods and diffusion state embeddings to predict missing interactions in biological networks. 2020 , 36, i464-i473	7
1493	Topological-Defect-Induced Surface Charge Heterogeneities in Nematic Electrolytes. 2020 , 125, 037801	5
1492	The interplay and the formation of Ehole in the ILLIX and pseudo-ILLIX (X = F, Cl and CN) lithium bonds involving unsaturated and homocyclic hydrocarbons. 2020 , 1186, 112899	1
1491	Combining protein and metabolic engineering to construct efficient microbial cell factories. 2020 , 66, 27-35	11
1490	Alkaline polymer electrolyte fuel cells without anode humidification and H2 emission. 2020 , 472, 228471	7
1489	Sequential pore wall functionalization in covalent organic frameworks and application to stable camptothecin delivery systems. 2020 , 117, 111263	4
1488	Discovery of a novel small molecule PT109 with multi-targeted effects against Alzheimer's disease in vitro and in vivo. 2020 , 883, 173361	3
1487	The role of minor alloying in the plasticity of bulk metallic glasses. 2020 , 188, 50-53	5
1486	Multivariate genomic scan implicates novel loci and haem metabolism in human ageing. <i>Nature Communications</i> , 2020 , 11, 3570	33
1485	Revealing structural evolution occurring from photo-initiated polymer network formation. 2020 , 3,	4

1484	Recent advances in bioelectronics chemistry. 2020 , 49, 7978-8035	30
1483	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. 2020 , 12, 15560-15576	33
1482	Succession of soil nematode-trapping fungi following fire disturbance in forest. 2020 , 25, 433-438	1
1481	Combined Zeeman and orbital effect on the Josephson effect in rippled graphene. 2020 , 102,	1
1480	Oxides and the high entropy regime: A new mix for engineering physical properties. 2020 , 5, 3419-3436	7
1479	Development of metacage for noise control and natural ventilation in a window system. 2020 , 170, 107510	11
1478	Ultra-black Camouflage in Deep-Sea Fishes. 2020 , 30, 3470-3476.e3	14
1477	BiSb@BiO/SbO encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. 2020 , 580, 429-438	28
1476	Machine learning-driven new material discovery. 2020 , 2, 3115-3130	30
1475	Implications of non-genetic heterogeneity in cancer drug resistance and malignant progression. 2020 , 617-638	
1474	Inflammasome inhibition under physiological and pharmacological conditions. 2020, 21, 211-223	19
1473	Investigation of hysteresis in hole transport layer free metal halide perovskites cells under dark conditions. 2020 , 31, 445201	8
1472	Long-term exposure to increasing temperature can offset predicted losses in marine food quality (fatty acids) caused by ocean warming. 2020 , 13, 2497-2506	3
1471	Synthetic repurposing of drugs against hypertension: a datamining method based on association rules and a novel discrete algorithm. 2020 , 21, 313	6
1470	Recent Advance of Tellurium for Biomedical Applications. 2020 , 36, 551-559	7
1469	Innovative health interventions at the intersection of neuroimaging and multimedia design. 2020 , 333-351	
1468	Hybrid exciton-plasmon-polaritons in van der Waals semiconductor gratings. <i>Nature</i> Communications, 2020 , 11, 3552	31
1467	Anthropogenic stressors impact fish sensory development and survival via thyroid disruption. Nature Communications, 2020 , 11, 3614	12

1466	Artificial-cell-type aware cell-type classification in CITE-seq. 2020 , 36, i542-i550	4
1465	Bicyclic 5-6 Systems P urines. 2020 , 419-419	
1464	A stable PdCu@Pd core-shell nanobranches with enhanced activity and methanol-tolerant for oxygen reduction reaction. 2020 , 354, 136680	5
1463	Modulation in phase and frequency of neural oscillations during epileptiform activity induced by neonatal Zika virus infection in mice. 2020 , 10, 6763	2
1462	A pan-specific antiserum produced by a novel immunization strategy shows a high spectrum of neutralization against neurotoxic snake venoms. 2020 , 10, 11261	21
1461	Expansion, Exploitation and Extinction: Niche Construction in Ephemeral Landscapes. 2020 , 10, 10067	
1460	Mantle redox state drives outgassing chemistry and atmospheric composition of rocky planets. 2020 , 10, 10907	22
1459	Regional transcriptome analysis of AMPA and GABA receptor subunit expression generates E/I signatures of the human brain. 2020 , 10, 11352	1
1458	High-efficiency Ni P catalysts in amorphous and crystalline states for the hydrogen evolution reaction. 2020 , 4, 4733-4742	7
1457	Integrating PtNi nanoparticles on NiFe layered double hydroxide nanosheets as a bifunctional catalyst for hybrid sodiumBir batteries. 2020 , 8, 16355-16365	13
1456	Reconfigurable and Spatially Programmable Chameleon Skin-Like Material Utilizing Light Responsive Covalent Adaptable Cholesteric Liquid Crystal Elastomers. 2020 , 30, 2003150	25
1455	Cellulose Nanofibrils Enhanced, Strong, Stretchable, Freezing-Tolerant Ionic Conductive Organohydrogel for Multi-Functional Sensors. 2020 , 30, 2003430	188
1454	Automating Analogue AI Chip Design with Genetic Search. 2020 , 2, 2000075	5
1453	Polarization-dependent second-harmonic generation for collagen-based differentiation of breast cancer samples. 2020 , 13, e202000180	13
1452	Variability approaching the thermal limits can drive diatom community dynamics. 2020, 65, 1961-1973	10
1451	Deep brain stimulation reduces (nocturnal) dyskinetic exacerbations in patients with ADCY5 mutation: a case series. 2020 , 267, 3624-3631	8
1450	Photoinduced Reversible Solid-to-Liquid Transitions and Directional Photofluidization of Azobenzene-containing Polymers. 2020 , 39, 1225	1
1449	Plastic Deformation of Rough Metallic Surfaces. 2020 , 68, 1	6

1448	Machine learning reveals the role of the landscape in the dynamics of human settlement rules between the Palaeolithic and Iron Ages in Lithuania. 2020 , 565, 109-124		2
1447	In Situ-Formed and Low-Temperature-Deposited Nb:TiO Compact-Mesoporous Layer for Hysteresis-Less Perovskite Solar Cells with High Performance. 2020 , 15, 135		1
1446	Cancer Cell Membrane Technology for Cancer Therapy. 2020 , 6, 1712-1729		1
1445	Plant hairy roots enable high throughput identification of antimicrobials against Candidatus Liberibacter spp. <i>Nature Communications</i> , 2020 , 11, 5802	17.4	9
1444	Controlled steric selectivity in molecular doping towards closest-packed supramolecular conductors. 2020 , 1,		5
1443	2D Material Based Advanced Membranes for Separations in Organic Solvents. 2020 , 16, e2003400		11
1442	Role of export industries on ozone pollution and its precursors in China. <i>Nature Communications</i> , 2020 , 11, 5492	17.4	11
1441	Compositional optimization of a 2DBD heterojunction interface for 22.6% efficient and stable planar perovskite solar cells. 2020 , 8, 25831-25841		28
1440	Impact of exercise on older adults' mood is moderated by sleep and mediated by altered brain connectivity. 2020 , 15, 1238-1251		2
1439	Neuromorphic on-chip recognition of saliva samples of COPD and healthy controls using memristive devices. 2020 , 10, 19742		5
1438	Unraveling the Microstructure of Layered Metal Halide Perovskite Films. 2020 , 1, 2000074		3
1437	GCViT: a method for interactive, genome-wide visualization of resequencing and SNP array data. 2020 , 21, 822		3
1436	A comparative first principles study of quantum well states in MgO barrier MTJs for STT-RAMs. 2020 , 105, 104909		1
1435	Solid-state fluorescent carbon dots: quenching resistance strategies, high quantum efficiency control, multicolor tuning, and applications. 2020 , 1, 3122-3142		10
1434	Depression in patients with spondyloarthritis: prevalence, incidence, risk factors, mechanisms and management. 2020 , 12, 1759720X20970028		4
1433	How effective are electronic cigarettes for reducing respiratory and cardiovascular risk in smokers? A systematic review. 2020 , 17, 91		10
1432	Gene duplication drives genome expansion in a major lineage of Thaumarchaeota. <i>Nature Communications</i> , 2020 , 11, 5494	17.4	16
1431	Advances in synthesis of graphene derivatives using industrial wastes precursors; prospects and challenges. 2020 , 9, 15924-15951		23

1430	2020, 10, 18741	3
1429	Tuning the Cell-Free Protein Synthesis System for Biomanufacturing of Monomeric Human Filaggrin. 2020 , 8, 590341	1
1428	Understanding and harnessing the potential of layered perovskite-based absorbers for solar cells. 2020 , 3, 751-778	6
1427	High performance binder-free FeNi hydroxides on nickel foam prepared in piranha solution for the oxygen evolution reaction. 2020 , 4, 6311-6320	6
1426	Recent Advances in Electrode Materials for Electrochemical CO2 Reduction. 2020, 49-91	О
1425	Physical Processes Determine Spatial Structure in Water Temperature and Residence Time on a Wide Reef Flat. 2020 , 125, e2020JC016543	3
1424	Recent trends of biocompatible triboelectric nanogenerators toward self-powered e-skin. 2020 , 2, e12065	19
1423	Mesoporous TiO anatase films for enhanced photocatalytic activity under UV and visible light 2020 , 10, 38233-38243	3
1422	Focal stimulation of the temporoparietal junction improves rationality in prosocial decision-making. 2020 , 10, 20275	2
1421	Genomic and transcriptomic alterations associated with drug vulnerabilities and prognosis in adenocarcinoma at the gastroesophageal junction. <i>Nature Communications</i> , 2020 , 11, 6091	7
1420	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020 , 10, 39640-39653	4
1420 1419	Structural and conformational changes induced by missense variants in the zinc finger domains of	4
	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020 , 10, 39640-39653 Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture	9
1419	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020, 10, 39640-39653 Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. 2020, 1	9
1419 1418	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020, 10, 39640-39653 Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. 2020, 1 Imaging voltage and brain chemistry with genetically encoded sensors and modulators. 2020, 57, 166-176 A steric gate controls P/E hybrid-state formation of tRNA on the ribosome. <i>Nature Communications</i> ,	9
1419 1418 1417	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020, 10, 39640-39653 Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. 2020, 1 Imaging voltage and brain chemistry with genetically encoded sensors and modulators. 2020, 57, 166-176 A steric gate controls P/E hybrid-state formation of tRNA on the ribosome. <i>Nature Communications</i> , 2020, 11, 5706 Artificially innervated self-healing foams as synthetic piezo-impedance sensor skins. <i>Nature</i>	9 10 5
1419 1418 1417 1416	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer 2020, 10, 39640-39653 Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. 2020, 1 Imaging voltage and brain chemistry with genetically encoded sensors and modulators. 2020, 57, 166-176 A steric gate controls P/E hybrid-state formation of tRNA on the ribosome. Nature Communications, 2020, 11, 5706 Artificially innervated self-healing foams as synthetic piezo-impedance sensor skins. Nature Communications, 2020, 11, 5747	9 10 5 43

1412	Towards a traceable enhancement factor in surface-enhanced Raman spectroscopy. 2020 , 8, 16513-1651	9	2
1411	Bragg coherent imaging of nanoprecipitates: role of superstructure reflections. 2020 , 53, 1353-1369		
1410	Understanding high- and low-quality URL Sharing on COVID-19 Twitter streams. 2020 , 3, 1-24		14
1409	A high-efficiency bioinspired photoelectric-electromechanical integrated nanogenerator. <i>Nature Communications</i> , 2020 , 11, 6158	7.4	18
1408	figstrfh- and Nano-scale Pore-Based Nucleic Acid Sequencing of Current and Emergent Pathogens. 2020 , 5, 2889-2906		2
1407	Recent advances in anthocyanin dyes extracted from plants for dye sensitized solar cell. 2020 , 9, 1		24
1406	Robustness and lethality in multilayer biological molecular networks. <i>Nature Communications</i> , 2020 , 11, 6043	17.4	20
1405	Semiconductor physics of organic-inorganic 2D halide perovskites. 2020 , 15, 969-985		110
1404	SkipGNN: predicting molecular interactions with skip-graph networks. 2020 , 10, 21092		12
1403	First isolation and whole-genome sequencing of a Shewanella algae strain from a swine farm in Brazil. 2020 , 20, 360		2
1402	Improved alkaline hydrogen evolution performance of a Fe78Si9B13 metallic glass electrocatalyst by ultrasonic vibrations. 2020 , 125, 106820		7
1401	Design of optical meta-structures with applications to beam engineering using deep learning. 2020 , 10, 19923		1
1400	A C21-steroidal derivative suppresses T-cell lymphoma in mice by inhibiting SIRT3 via SAP18-SIN3. 2020 , 3, 732		1
1399	The complex relationship between MITF and the immune system: a Melanoma ImmunoTherapy (response) Factor?. 2020 , 19, 170		7
1398	Glacial heterogeneity in Southern Ocean carbon storage abated by fast South Indian deglacial carbon release. <i>Nature Communications</i> , 2020 , 11, 6192	7.4	7
1397	Plasmon Damping in Electronically Open Systems. 2020 , 125, 236801		1
1396	Anti-Phased Miocene Ice Volume and CO2 Changes by Transient Antarctic Ice Sheet Variability. 2020 , 35, e2020PA003971		3
1395	New High Donor Electrolyte for Lithium-Sulfur Batteries. 2020 , 32, e2005022		35

1394	Evolution of Generalists by Phenotypic Plasticity. 2020 , 23, 101678	3
1393	Coupling between Particle Shape and Long-Range Interaction in the High-Density Regime. 2020 , 37, 086301	2
1392	Inferring chromosome radial organization from Hi-C data. 2020 , 21, 511	3
1391	Role of ET cells in controlling viral infections with a focus on influenza virus: implications for designing novel therapeutic approaches. 2020 , 17, 174	12
1390	Dual crosslinked polyamidoxime/alginate sponge for robust and efficient uranium adsorption from aqueous solution. 2020 , 44, 19445-19449	5
1389	Development of Open-Field Behaviour in the Medaka,. 2020 , 9,	4
1388	Higher Temperature Sensitivity of Soil C Release to Atmosphere From Northern Permafrost Soils as Indicated by a Meta-Analysis. 2020 , 34, e2020GB006688	1
1387	Metal-organic framework and inorganic glass composites. <i>Nature Communications</i> , 2020 , 11, 5800 17.4	10
1386	A revised definition for copal and its significance for palaeontological and Anthropocene biodiversity-loss studies. 2020 , 10, 19904	11
1385	Increased Seebeck Coefficient of [Fe(CN)6]4[BIThermocell Based on the Selective Electrostatic Interactions with Cationic Micelles. 2020 , 49, 1197-1200	5
1384	Genetic and environmental factors related to the development of myopic maculopathy in Spanish patients. 2020 , 15, e0236071	4
1383	Jaburetox, a urease-derived peptide: Effects on enzymatic pathways of the cockroach Nauphoeta cinerea. 2020 , 105, e21731	1
1382	Photoelectrochemical Catalysis of Fluorine-Doped Amorphous TiO2 Nanotube Array for Water Splitting. 2020 , 5, 8831-8838	2
1381	Comparative gut microbiome analysis of the and systems reveals functional level similarities in constitutionally similar classes. 2020 , 10, 379	1
1380	OBSOLETE: Genetic Engineering for Strain Improvement in Filamentous Fungi. 2020,	
1379	Vernier frequency division with dual-microresonator solitons. <i>Nature Communications</i> , 2020 , 11, 3975 17.4	6
1378	Sunlight-driven atmospheric water capture capacity is enhanced by nano-enabled photothermal desiccants. 2020 , 7, 2584-2594	15
1377	The impact of oxygen evolution and cation migration on the cycling stability of a Li-rich Li[Li0.2Mn0.6Ni0.1Co0.1]O2 positive electrode. 2020 , 8, 18143-18153	2

1376	Chemical Characterization of Lavandula dentata Essential Oil Cultivated in Chile and Its Antibiofilm Effect against Candida albicans. 2020 , 86, 1225-1234	2
1375	On-Surface Driven Formal Michael Addition Produces m-Polyaniline Oligomers on Pt(111). 2020 , 59, 23220-23	227
1374	Spin-Symmetry-Selective Generation of Ultracompact Optical Vortices in Nanoapertures without Chirality. 2020 , 1, 2000008	3
1373	Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO, but strongly affected by drought. 2020 , 14, 3038-3053	14
1372	A facile composite nanoparticle promoted by photoelectron transfer and consumption for tumor combination therapy. 2020 , 4, 3047-3056	2
1371	Sphingolipids: Regulators of azole drug resistance and fungal pathogenicity. 2020 , 114, 891-905	6
1370	Improved Quantum Yield and Excellent Luminescence Stability of Europium-Incorporated Polymeric Hydrogen-Bonded Heptazine Frameworks Due to an Efficient Hydrogen-Bonding Effect. 2020 , 30, 2003656	11
1369	Neuromorphic Engineering for Hardware Computational Acceleration and Biomimetic Perception Motion Integration. 2020 , 2, 2000124	2
1368	On-Surface Driven Formal Michael Addition Produces m-Polyaniline Oligomers on Pt(111). 2020 , 132, 23420-23427	О
1367	Photovoltaic Response and Charge Redistribution Processes in GaAs/AlGaAs Multiple-Quantum Wells Structure. 2020 , 257, 2000331	1
1366	Mutations in the Reelin pathway are associated with abnormal expression of microglial IgG FC receptors in the cerebellar cortex. 2020 , 47, 5323-5331	1
1365	Thermodynamic analysis and optimization of adsorption-based atmospheric water harvesting. 2020 , 161, 120253	20
1364	A comprehensive review on synthesis and applications of single crystal perovskite halides. 2020 , 60, 100286	38
1363	An on-demand nanoplatform for enhanced elimination of drug-resistant bacteria. 2020 , 8, 6912-6919	2
1362	Coupling of amides with ketones via CN/CH bond cleavage: a mild synthesis of 1,3-diketones. 2020 , 7, 2931-2937	5
1361	Ultrasensitive melanoma biomarker detection using a microchip SERS immunoassay with anisotropic Au-Ag alloy nanoboxes 2020 , 10, 28778-28785	4
1360	Interface engineering of nanoceramic hematite photoelectrode for solar energy conversion. 2020 , 103, 6833-6846	5
1359	Effect of phosphorus supply on root traits of two Brassica oleracea L. genotypes. 2020 , 20, 368	7

1358	Issues and solutions toward zinc anode in aqueous zinc-ion batteries: A mini review. 2020 , 2, 540-560	64
1357	Reconfigurable Soft Actuators with Multiple-Stimuli Responses. 2020 , 41, e2000313	3
1356	Development strategies in transition metal carbide for hydrogen evolution reaction: A review. 2020 , 37, 1317-1330	7
1355	Geochemical evidences for quantifying crustal thickness over time in the Urumieh-Dokhtar magmatic arc (Iran). 2020 , 374-375, 105723	5
1354	Hydrogel soft robotics. 2020 , 15, 100258	69
1353	Structures, properties and application of 2D monoelemental materials (Xenes) as graphene analogues under defect engineering. 2020 , 35, 100906	51
1352	Solid-state white-light emission from a pyrylium dye obtained in one synthetic step. 2020 , 8, 14348-14352	5
1351	A practical guide for crystal growth of van der Waals layered materials. 2020 , 128, 051101	17
1350	Sulfur-based redox chemistry for electrochemical energy storage. 2020 , 422, 213445	11
1349	Searching for stable perovskite solar cell materials using materials genome techniques and high-throughput calculations. 2020 , 8, 12012-12035	11
1348	Universal approach toward high-efficiency two-dimensional perovskite solar cells via a vertical-rotation process. 2020 , 13, 3093-3101	46
1347	Mediated Drug Release from Nanovehicles by Black Phosphorus Quantum Dots for Efficient Therapy of Chronic Obstructive Pulmonary Disease. 2020 , 132, 20749-20757	1
1346	Physiological and transcriptomic analyses of brassinosteroid function in moso bamboo (Phyllostachys edulis) seedlings. 2020 , 252, 27	5
1345	Dual-engineered separator for highly robust, all-climate lithium-sulfur batteries. 2020 , 32, 46-54	24
1344	Principles of Epigenetic Homeostasis Shared Between Flowering Plants and Mammals. 2020 , 36, 751-763	6
1343	Fast growth of large-grain and continuous MoS films through a self-capping vapor-liquid-solid method. <i>Nature Communications</i> , 2020 , 11, 3682	36
1342	Luminescent molecules towards precise cellular event regulation. 2020 , 56, 10231-10234	2
1341	Perspectives on the generation of electron beams from plasma-based accelerators and their near and long term applications. 2020 , 27, 070602	23

1340	Towards high energy density LiB batteries with high sulfur loading: From key issues to advanced strategies. 2020 , 32, 320-355	39
1339	Intrinsic transcriptomic sex differences in human endothelial cells at birth and in adults are associated with coronary artery disease targets. 2020 , 10, 12367	15
1338	Kinetic instability of sulfurous acid in the presence of ammonia and formic acid. 2020 , 22, 18646-18654	6
1337	Governing plastic pollution in the oceans: Institutional challenges and areas for action. 2020 , 112, 453-460	13
1336	Directional translocation resistance of Zika xrRNA. <i>Nature Communications</i> , 2020 , 11, 3749	9
1335	Visible-light-driven organic transformations integrated with H2 production on semiconductors. 2020 , 1, 2155-2162	14
1334	Two-dimensional functional materials: from properties to potential applications. 2020 , 11, 247-264	2
1333	All-Dielectric Silicon Nanoslots for Er3+ Photoluminescence Enhancement. 2020 , 14,	5
1332	Silicate Liquid Immiscibility as a Result of Fenner-Type Crystal Fractionation of Wangtian Tholeiitic Melts, Northeast China. 2020 , 28, 357-373	O
1331	Ralaniten Sensitizes Enzalutamide-Resistant Prostate Cancer to Ionizing Radiation in Prostate Cancer Cells that Express Androgen Receptor Splice Variants. 2020 , 12,	10
1330	Engineering Intelligent Nanosystems for Enhanced Medical Imaging. 2020 , 2, 2000087	18
1329	Comparison of the use of functional porous organic polymer (POP) and natural material zeolite for nitrogen removal and recovery from source-separated urine. 2020 , 8, 104296	4
1328	Metal sensing-carbon dots loaded TiO-nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. 2020 , 10, 12883	8
1327	Visible light-induced photocatalytic C-H ethoxycarbonylmethylation of imidazoheterocycles with ethyl diazoacetate 2020 , 10, 27984-27988	13
1326	The role of neutral donor ligands in the isoselective ring-opening polymerization of -Ebutyrolactone. 2020 , 11, 8184-8195	7
1325	Innate immune responses to malaria-infected erythrocytes in pregnant women: Effects of gravidity, malaria infection, and geographic location. 2020 , 15, e0236375	
1324	Transferrin receptor 1 levels at the cell surface influence the susceptibility of newborn piglets to PEDV infection. 2020 , 16, e1008682	12
1323	Rapid fragmentation of microplastics by the freshwater amphipod Gammarus duebeni (Lillj.). 2020 , 10, 12799	53

1322	Hexane isomers separation on an isoreticular series of microporous Zr carboxylate metal organic frameworks. 2020 , 8, 17780-17789	5
1321	Metal-Catalyzed Hydrogenation of Biomass-Derived Furfural: Particle Size Effects and Regulation Strategies. 2020 , 13, 5185-5198	19
1320	Intercalation of Two-dimensional Layered Materials. 2020 , 36, 584-596	10
1319	Electrodeposition of NiBeMn ternary nanosheets as affordable and efficient electrocatalyst for both hydrogen and oxygen evolution reactions. 2020 , 45, 24670-24683	11
1318	Biophotonics of diversely coloured peacock tail feathers. 2020 , 223, 49-62	4
1317	Proteomic approaches for characterizing renal cell carcinoma. 2020 , 17, 28	4
1316	Green EmittingCe3+/Tb3+-Doped BaF2 Nanocrystals and Their Impact on Skeletal Muscle of Developing Zebrafish Larvae. 2020 , 5, 9105-9110	2
1315	Induction of PIK3CA alterations during neoadjuvant letrozole may improve outcome in postmenopausal breast cancer patients. 2020 , 184, 123-133	2
1314	21.4% efficiency of perovskite solar cells using BMImI additive in the lead iodide precursor based on carbon nanotubes/TiO2 electron transfer layer. 2020 , 46, 27647-27654	23
1313	Co2P/CoP hybrid as a reversible electrocatalyst for hydrogen oxidation/evolution reactions in alkaline medium. 2020 , 390, 23-29	27
1312	Homogeneous and heterogeneous catalytic reduction of amides and related compounds using molecular hydrogen. <i>Nature Communications</i> , 2020 , 11, 3893	54
1311	A footprint of plant eco-geographic adaptation on the composition of the barley rhizosphere bacterial microbiota. 2020 , 10, 12916	16
1310	Opportunities for intermediate temperature renewable ammonia electrosynthesis. 2020 , 8, 15591-15606	10
1309	A Review of Immunomodulatory Effects of Fluoroquinolones. 2021 , 50, 1007-1026	5
1308	Development of Melilite-Type Oxide Ion Conductors. 2020 , 20, 1117-1128	12
1307	Cuticular waxes-A shield of barley mutant in CBP20 (Cap-Binding Protein 20) gene when struggling with drought stress. 2020 , 300, 110593	1
1306	Rate-dependent drag instability in granular materials. 2020 , 22, 1	2
1305	Cell and tissue engineering in lymph nodes for cancer immunotherapy. 2020 , 161-162, 42-62	22

1304	Learning dynamics from large biological data sets: Machine learning meets systems biology. 2020 , 22, 1-7	5
1303	Mitochondrial complex I structure reveals ordered water molecules for catalysis and proton translocation. 2020 , 27, 892-900	44
1302	Lagrangian eddy kinetic energy of ocean mesoscale eddies and its application to the Northwestern Pacific. 2020 , 10, 12791	4
1301	ExcitonBhonon interactions in nanocavity-integrated monolayer transition metal dichalcogenides. 2020 , 4,	4
1300	Recent advances of near infrared inorganic fluorescent probes for biomedical applications. 2020 , 8, 7856-787	915
1299	The role of photoinduced charge transfer for photocatalysis, photoelectrocatalysis and luminescence sensing in metal-organic frameworks. 2020 , 49, 12892-12917	9
1298	General Synthesis of Single-Atom Catalysts for Hydrogen Evolution Reactions and Room-Temperature Na-S Batteries. 2020 , 132, 22355-22362	11
1297	Electromechanical coupling effects for data storage and synaptic devices. 2020 , 77, 105156	8
1296	A novel injectable starch-based tissue adhesive for hemostasis. 2020 , 8, 8282-8293	15
1295	Electro-responsive hydrogel-based microfluidic actuator platform for photothermal therapy. 2020 , 20, 3354-3364	18
1294	Butterfly-Shaped Thiophene-Pyridine Hybrids: Green Electroluminescence and Large Third-Order Optical Nonlinearities. 2020 , 85, 1762-1777	1
1293	AI algorithms, price discrimination and collusion: a technological, economic and legal perspective. 2020 , 50, 405-435	5
1292	Nickel/cobalt bimetallic phosphides derived metal-organic frameworks as bifunctional electrocatalyst for oxygen and hydrogen evolution reaction. 2020 , 847, 156514	26
1291	Novel mixed solution of ethanol/MACl for improving the crystallinity of air-processed triple cation perovskite solar cells. 2020 , 207, 1240-1246	29
1290	Nature-Inspired Purpurin Polymer for Li-Ion Batteries: Mechanistic Insights into Energy Storage via Solid-State NMR and Computational Studies. 2020 , 124, 17939-17948	5
1289	A graphical user interface to design high-throughput optogenetic experiments with the optoPlate-96. 2020 , 15, 2785-2787	11
1288	Rare-earth-free zinc aluminium borate white phosphors for LED lighting. 2020 , 8, 11839-11849	5
1287	Engineering the Protein Corona Structure on Gold Nanoclusters Enables Red-Shifted Emissions in the Second Near-infrared Window for Gastrointestinal Imaging. 2020 , 59, 22431-22435	27

1286 A practical catalytic reductive amination of carboxylic acids. 2020, 11, 9494-9500 11 1285 Climate more important than soils for predicting forest biomass at the continental scale. 2020, 43, 1692-1705 15 38 Bioinspired Melanin-Based Optically Active Materials. 2020, 8, 2000932 Engineering the Protein Corona Structure on Gold Nanoclusters Enables Red-Shifted Emissions in 1283 the Second Near-infrared Window for Gastrointestinal Imaging. 2020, 132, 22617-22621 The flowering of Mechanically Interlocked Molecules: Novel approaches to the synthesis of 1282 14 rotaxanes and catenanes. 2020, 423, 213484 High lithium ionic conductivity of £i3PO4-type solid electrolytes in Li4GeO4₫i4SiO4₫i3VO4 1281 quasi-ternary system. 2020, 292, 121651 Multidirectional Strategies for Targeted Delivery of Oncolytic Viruses by Tumor Infiltrating Immune 1280 4 Cells. 2020, 161, 105094 The impact of airspace regulations on unmanned aerial vehicles in last-mile operation. 2020, 87, 102480 9 Self healable neuromorphic memtransistor elements for decentralized sensory signal processing in 1278 17.4 24 robotics. Nature Communications, 2020, 11, 4030 Spectral characterization of LiYbF upconverting nanoparticles. 2020, 12, 17545-17554 9 Rational design of transition metal single-atom electrocatalysts: a simulation-based, machine 1276 17 learning-accelerated study. 2020, 8, 19290-19299 Glass surface evolution following gas adsorption and particle deposition from indoor cooking 1275 events as probed by microspectroscopic analysis. **2020**, 22, 1698-1709 Fine root and root hair morphology of cotton under drought stress revealed with RhizoPot. 2020, 11 206, 679-693 The evolution of the pectoral extrinsic appendicular and infrahyoid musculature in theropods and O its functional and behavioral importance. 2020, 237, 870-889 Irreversible habitat specialization does not constrain diversification in hypersaline water beetles. 1272 3 **2020**, 29, 3637-3648 Improving control effects of absence seizures using single-pulse alternately resetting stimulation 1271 15 (SARS) of corticothalamic circuit. 2020, 41, 1287-1302 Preparation and characterization of pulsed laser deposited CdSe window layer for Sb2Se3 thin film 1270 4 solar cell. 2020, 31, 13947-13956 Atomistic simulation of interaction between wedge disclination and self-interstitial atom in bcc 1269 tungsten. 2020, 542, 152460

1268	An in-depth study of heteroatom boosted anode for potassium-ion batteries. 2020 , 78, 105294	18
1267	Indoor aerosol water content and phase state in U.S. residences: impacts of relative humidity, aerosol mass and composition, and mechanical system operation. 2020 , 22, 2031-2057	9
1266	Identification and characterization of Pseudomonas syringae pv. mori affecting white mulberry (Morus alba) in Poland. 2020 , 158, 281-291	2
1265	Learning from existing photovoltaic technologies to identify alternative perovskite module designs. 2020 , 13, 3393-3403	18
1264	Photo-Responsive Fluorescent Materials with Aggregation-Induced Emission Characteristics. 2020 , 8, 2001362	22
1263	Solid-phase hetero epitaxial growth of phase formamidinium perovskite. <i>Nature Communications</i> , 2020 , 11, 5514	₄ 38
1262	Investigating the effect of solvent vapours on crystallinity, phase, and optical, morphological and structural properties of organolead halide perovskite films 2020 , 10, 39995-40004	7
1261	Enhanced Near-Field Radiative Heat Transport between Graphene Metasurfaces with Symmetric Nanopatterns. 2020 , 14,	2
1260	Chemiresistive SO2 sensor: graphene oxide (GO) anchored poly(3,4-ethylenedioxythiophene):poly(4styrenesulfonate) (PEDOT:PSS). 2020 , 126, 1	17
1259	Using Anthropological Principles to Transform the Teaching of Human "Difference" and Genetic Variation in College Classrooms. 2020 , 29, 1-25	
1258	Leveraging Computational Modeling to Understand Infectious Diseases. 2020 , 8, 1-13	10
1257	Comparative analysis of genome-wide DNA methylation identifies patterns that associate with conserved transcriptional programs in osteosarcoma. 2020 , 115716	1
1256	A new zombie ant behavior unraveled: Aggregating on tree trunks. 2020 , 177, 107499	1
1255	Non-precious-metal catalysts for alkaline water electrolysis: operando characterizations, theoretical calculations, and recent advances. 2020 , 49, 9154-9196	147
1254	pH-Sensitive magnetite mesoporous silica nanocomposites for controlled drug delivery and hyperthermia 2020 , 10, 39008-39016	14
1253	Data-driven identification of reliable sensor species to predict regime shifts in ecological networks. 2020 , 7, 200896	1
1252	Frequent birth-and-death events throughout perforin-1 evolution. 2020 , 20, 135	1
1251	AlphaBeta: computational inference of epimutation rates and spectra from high-throughput DNA methylation data in plants. 2020 , 21, 260	10

1250	Discrete-element modelling of pile penetration to reveal influence of soil characteristics. 2020, 1-42	1
1249	Photocatalytic CO2 Reduction to CO over Ni Single Atoms Supported on Defect-Rich Zirconia. 2020 , 10, 2002928	92
1248	Diffusion-dependent upgrading of hydrocarbons synthesized by Co/zeolite bifunctional Fischer Tropsch catalysts. 2020 , 607, 117840	1
1247	Large enhancement of second-harmonic generation in MoS2 by one dimensional photonic crystals. 2020 , 322, 114043	3
1246	Waveguide digital step attenuator using quarter-wave resonators and memristors. 2020 , 127, 153493	
1245	Sublimation and deposition in gaseous mixtures. 2020 , 160, 120213	1
1244	Perovskite MAPb(Br1ttl)3 single crystals: Solution growth and electrical properties. 2020, 549, 125869	2
1243	Recent advances in functional nanomaterials for X-ray triggered cancer therapy. 2020 , 30, 567-576	14
1242	Growth factor-mimicking 3,4-dihydroxyphenylalanine-encoded bioartificial extracellular matrix like protein promotes wound closure and angiogenesis. 2020 , 8, 6773-6785	1
1241	Hyperemesis Gravidarum: What to Expect when You are ExpectingNot!. 2020 , 97-114	
1240	Bots and online hate during the COVID-19 pandemic: case studies in the United States and the Philippines. 2020 , 3, 1-24	28
1239	A review of composite solid-state electrolytes for lithium batteries: fundamentals, key materials and advanced structures. 2020 , 49, 8790-8839	153
1238	Introducing differential RNA-seq mapping to track the early infection phase for phage ?KZ. 2021 , 18, 1099-1110	5
1237	Oxygen-Deficient Bimetallic Oxide FeWO Nanosheets as Peroxidase-Like Nanozyme for Sensing Cancer via Photoacoustic Imaging. 2020 , 16, e2003496	29
1236	The effects of polygenic risk for psychiatric disorders and smoking behaviour on psychotic experiences in UK Biobank. 2020 , 10, 330	0
1235	Excessive phospholipid peroxidation distinguishes ferroptosis from other cell death modes including pyroptosis. 2020 , 11, 922	30
1234	Accelerated knowledge discovery from omics data by optimal experimental design. <i>Nature Communications</i> , 2020 , 11, 5026	6
1233	High-throughput calculations of magnetic topological materials. 2020 , 586, 702-707	75

1232	A systematic investigation of human DNA preservation in medieval skeletons. 2020 , 10, 18225	13
1231	Soft Mode Metal-Linker Dynamics in Carboxylate MOFs Evidenced by Variable-Temperature Infrared Spectroscopy. 2020 , 142, 19291-19299	20
1230	Hierarchical Disordered Colloidal Thin Films with Duplex Optical Elements for Advanced Anti-Counterfeiting Coding. 2020 , 8, 2001378	6
1229	Electronic and optical properties of monolayer and bulk of PtSe2. 2020 , 52, 1	3
1228	Reduced thermal tolerance of massive coral species in a highly variable environment. 2020 , 287, 20201379	9
1227	Visible light driven perovskite-based photocatalysts: A new candidate for green organic synthesis by photochemical protocol. 2020 , 3, 100031	11
1226	Near Degeneracy of Magnetic Phases in Two-Dimensional Chromium Telluride with Enhanced Perpendicular Magnetic Anisotropy. 2020 , 14, 15256-15266	15
1225	Design of Fe,N co-doped multi-walled carbon nanotubes for efficient oxygen reduction. 2020 , 56, 14467-1447	7014
1224	Localized nanotheranostics: recent developments in cancer nanomedicine. 2020 , 8, 100087	14
1223	CryoEM structure of the type IVa pilus secretin required for natural competence in Vibrio cholerae. Nature Communications, 2020 , 11, 5080	8
1222	Exponentially-enhanced quantum sensing with non-Hermitian lattice dynamics. <i>Nature Communications</i> , 2020 , 11, 5382	11
1221	Harnessing endogenous repair mechanisms for targeted gene knock-in of bovine embryos. 2020 , 10, 16031	5
1220	Rolling membrane powered by low-temperature steam as a new approach to generate mechanical energy. 2020 , 10, 16573	
1219	Characterization of thymine microcrystals by CARS and SHG microscopy. 2020 , 10, 17097	3
1218	Structural insights into metal-metalloid glasses from mass spectrometry. 2020 , 10, 17467	
1217	Interface-exfoliated graphene-based conductive screen-printing inks: low-loading, low-cost, and additive-free. 2020 , 10, 18047	4
1216	Neuroepithelial cell competition triggers loss of cellular juvenescence. 2020 , 10, 18044	1
1215	Physiological fractals: visual and statistical evidence across timescales and experimental states. 2020 , 17, 20200334	10

1214	Decomposition of halogenated nucleobases by surface plasmon resonance excitation of gold nanoparticles. 2020 , 74, 1	2
1213	Characterization of WWOX expression and function in canine mast cell tumors and malignant mast cell lines. 2020 , 16, 415	
1212	Epidrugs: novel epigenetic regulators that open a new window for targeting osteoblast differentiation. 2020 , 11, 456	8
1211	1,1?-2-Trisubstituted ferrocenyl dibismuthines containing N / O donor pendant arm. 2020 , 930, 121593	
1210	A specialized reciprocal connectivity suggests a link between the mechanisms by which the superior colliculus and parabigeminal nucleus produce defensive behaviors in rodents. 2020 , 10, 16220	5
1209	Bianisotropic Acoustic Metasurface for Surface-Wave-Enhanced Wavefront Transformation. 2020 , 14,	6
1208	Restoring ancestral phenotypes is a general pattern in gene expression evolution during adaptation to new environments in Tribolium castaneum. 2020 , 29, 3938-3953	8
1207	Dry etching strategy of spin-transfer-torque magnetic random access memory: A review. 2020 , 38, 050801	5
1206	2020 Roadmap on Zinc Metal Batteries. 2020 , 15, 3696-3708	6
1205	Sodiophilically Graded Gold Coating on Carbon Skeletons for Highly Stable Sodium Metal Anodes. 2020 , 16, e2003815	20
		20
1204	2020 , 16, e2003815	2
1204	Vacuum-based quantum random number generator using multi-mode coherent states. 2020, 19, 1	2
1204	Vacuum-based quantum random number generator using multi-mode coherent states. 2020, 19, 1 Construction and optoelectronic applications of organic core/shell micro/nanostructures. 2020, 7, 3161-3175 An in vitro Eneurotoxin-nAChR binding assay correlates with lethality and in vivo neutralization of	9
1204 1203 1202	Vacuum-based quantum random number generator using multi-mode coherent states. 2020, 19, 1 Construction and optoelectronic applications of organic core/shell micro/nanostructures. 2020, 7, 3161-3175 An in vitro Heurotoxin-nAChR binding assay correlates with lethality and in vivo neutralization of a large number of elapid neurotoxic snake venoms from four continents. 2020, 14, e0008581	2 9 2
1204 1203 1202	Vacuum-based quantum random number generator using multi-mode coherent states. 2020, 19, 1 Construction and optoelectronic applications of organic core/shell micro/nanostructures. 2020, 7, 3161-3175 An in vitro Eneurotoxin-nAChR binding assay correlates with lethality and in vivo neutralization of a large number of elapid neurotoxic snake venoms from four continents. 2020, 14, e0008581 Magneto-Optical Tools to Study Effects in Dirac and Weyl Semimetals. 2020, 12, 1412 Serotype specific epitopes identified by neutralizing antibodies underpin immunogenic differences	2 9 2 1
1204 1203 1202 1201	Vacuum-based quantum random number generator using multi-mode coherent states. 2020, 19, 1 Construction and optoelectronic applications of organic core/shell micro/nanostructures. 2020, 7, 3161-3175 An in vitro Eheurotoxin-nAChR binding assay correlates with lethality and in vivo neutralization of a large number of elapid neurotoxic snake venoms from four continents. 2020, 14, e0008581 Magneto-Optical Tools to Study Effects in Dirac and Weyl Semimetals. 2020, 12, 1412 Serotype specific epitopes identified by neutralizing antibodies underpin immunogenic differences in Enterovirus B. Nature Communications, 2020, 11, 4419	2 9 2 1

	nthesis of WSe2 Nanorods by Selenium Powder Precursor for Photocatalytic Application and Fuel ditive. 2020 , 32, 1061	О
	eply understanding the Zn anode behaviour and corresponding improvement strategies in ferent aqueous Zn-based batteries. 2020 , 13, 3917-3949	191
1194 Na	nocomposite hydrogel-based strain and pressure sensors: a review. 2020 , 8, 18605-18623	83
1193 pe	tive learning-driven quantitative synthesisEtructureFroperty relations for improving rformance and revealing active sites of nitrogen-doped carbon for the hydrogen evolution action. 2020 , 5, 2134-2147	8
	c/Arg3.1 function in long-term synaptic plasticity: Emerging mechanisms and unresolved issues. 21 , 54, 6696-6712	14
1191 Fin	ger directed surface charges for local droplet motion. 2020 , 16, 9176-9182	2
1190 Mc	obilizing a Culture of Health in the Era of Smart Transportation and Automation. 2020 , 12, 137-162	3
	citation efficiency determines the upconversion luminescence intensity of ENaYF:Er,Yb noparticles in magnetic fields up to 70 T. 2020 , 12, 20300-20307	6
1188 Far	mily of Magic-Sized Carbon Clusters on Transition Metal Substrates. 2020 , 30, 2006671	2
	condary metabolites as plant defensive strategy: a large role for small molecules in the near root gion. 2020 , 252, 61	12
1186 En	ergy Band Attraction Effect in Non-Hermitian Systems. 2020 , 125, 137703	3
1185 Re	cent developments in PARP14 research. 2020 , 12, 1657-1667	4
	ing Mendelian randomization to understand and develop treatments for neurodegenerative ease. 2020 , 2, fcaa031	4
	hancing LiAlO synaptic performance by reducing the Schottky barrier height for deep neural twork applications. 2020 , 12, 22970-22977	4
1182 Hig	gh-impact marine heatwaves attributable to human-induced global warming. 2020 , 369, 1621-1625	71
1181 Ad	vanced Materials and Systems for Biodegradable, Transient Electronics. 2020 , 32, e2002211	38
	kel-Catalyzed Direct Trifluoroethylation of Aryl Iodides with 1,1,1-Trifluoro-2-Iodoethane via ductive Coupling. 2020 , 362, 5363-5367	7
	rfactant Sodium Dodecyl Benzene Sulfonate Improves the Efficiency and Stability of -Processed Perovskite Solar Cells with Negligible Hysteresis. 2020 , 4, 2000376	12

1178	Mechanically interlocked stretchable nanofibers for multifunctional wearable triboelectric nanogenerator. 2020 , 78, 105358	36
1177	Upconversion emission studies of single particles. 2020 , 35, 100956	20
1176	Photoelectrochemical and first-principles investigation on halide perovskite/TiO2 film improved by dicyano dye. 2020 , 109, 110350	4
1175	Blackbody-Inspired Array Structural Polypyrrole-Sunflower Disc with Extremely High Light Absorption for Efficient Photothermal Evaporation. 2020 , 12, 46653-46660	31
1174	Theoretical study of metal/silica interfaces: Ti, Fe, Cr and Ni on Etristobalite. 2020 , 22, 21453-21462	1
1173	Improving the photocatalytic hydrogen production of SrTiO3 by in situ loading ethylene glycol as a co-catalyst. 2020 , 7, 4133-4141	2
1172	A novel and fast method to prepare a Cu-supported BbS@CuSbS binder-free electrode for sodium-ion batteries 2020 , 10, 29567-29574	11
1171	Pharmacoinformatics approaches to identify potential hits against tetraacyldisaccharide 4'-kinase (LpxK) of 2020 , 10, 32856-32874	
1170	Reconfigurable Materials Based on Photocontrolled Metal l igand Coordination. 2020 , 2, 2000112	2
1169	In-Memory Vector-Matrix Multiplication in Monolithic Complementary MetalDxideBemiconductor-Memristor Integrated Circuits: Design Choices, Challenges, and Perspectives. 2020 , 2, 2000115	24
1168	High-throughput, aseptic production of injectable Tetra-PEG hydrogel microspheres for delivery of releasable covalently bound drugs. 2020 , 2, e12213	1
1167	Genetic engineering of crops for insect resistance: An overview. 2020 , 45, 1	4
1166	Direct structural evidence supporting a revolving mechanism in DNA packaging motors. 2020 , 6, 155-158	О
1165	Genome characteristics of Kordia antarctica IMCC3317 and comparative genome analysis of the genus Kordia. 2020 , 10, 14715	2
1164	Analogue pattern recognition with stochastic switching binary CMOS-integrated memristive devices. 2020 , 10, 14450	10
1163	Ultra-thin films of solution-exfoliated hexagonal boron nitride by Langmuir deposition. 2020 , 8, 13695-13704	2
1162	Combination of guanidinium and quaternary ammonium polymers with distinctive antimicrobial mechanisms achieving a synergistic antimicrobial effect. 2020 , 8, 6920-6929	10
1161	Assessing the Diversity of the Form of Age-Specific Changes in Adult Mortality from Captive Mammalian Populations. 2020 , 12, 354	3

1160	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. 2020 , 132, 22369-22377	О
1159	Growth and optimization of hybrid perovskite single crystals for optoelectronics/electronics and sensing. 2020 , 8, 13918-13952	11
1158	Rapid onsets of warming events trigger mass mortality of coral reef fish. 2020 , 117, 25378-25385	22
1157	Proteomic profile of preeclampsia in the first trimester of pregnancy. 2020 , 1-7	O
1156	Photo-acoustic dual-frequency comb spectroscopy. <i>Nature Communications</i> , 2020 , 11, 4164	14
1155	Chemical and photoelectrochemical instability of amorphous TiO2 layers quantified by spectroscopic ellipsometry. 2020 , 8, 18173-18179	3
1154	Mosaicking Landsat and Sentinel-2 Data to Enhance LandTrendr Time Series Analysis in Northern High Latitude Permafrost Regions. 2020 , 12, 2471	5
1153	Metal Nanoapertures and Single Emitters. 2020 , 8, 2001110	4
1152	Bright Infrared-to-Ultraviolet/Visible Upconversion in Small Alkaline Earth-Based Nanoparticles with Biocompatible CaF2 Shells. 2020 , 132, 21787-21796	3
1151	Bright Infrared-to-Ultraviolet/Visible Upconversion in Small Alkaline Earth-Based Nanoparticles with Biocompatible CaF Shells. 2020 , 59, 21603-21612	15
1150	Iterative construction of low-altitude UAV air route network in urban areas: Case planning and assessment. 2020 , 30, 1534-1552	4
1149	Single-atom catalysts for the oxygen evolution reaction: recent developments and future perspectives. 2020 , 56, 12687-12697	24
1148	Theoretical design of an ultrafast supramolecular rotor composed of carbon nano-rings. 2020 , 56, 11835-1183	38 15
1147	An effect size statistical framework for investigating sexual dimorphism in non-avian dinosaurs and other extinct taxa. 2020 , 131, 231-273	4
1146	Laser-Assisted Multilevel Non-Volatile Memory Device Based on 2D van-der-Waals Few-Layer-ReS2/h-BN/Graphene Heterostructures. 2020 , 30, 2001688	24
1145	Investigation of Path-Dependent Degradation in Lithium-Ion Batteries**. 2020 , 3, 1377-1385	23
1144	Mechanochemical Synthesis of N-Aryl Amides from O-Protected Hydroxamic Acids. 2020 , 85, 1754-1761	4
1143	Identification of significant risks in pediatric acute lymphoblastic leukemia (ALL) through machine learning (ML) approach. 2020 , 58, 2631-2640	9

1142	Ag(i)-Mediated hydrogen isotope exchange of mono-fluorinated (hetero)arenes. 2020 , 18, 6627-6633	7
1141	Increased likelihood of heat-induced large wildfires in the Mediterranean Basin. 2020 , 10, 13790	36
1140	Nickel-Infused Nanoporous Alumina as Tunable Solar Absorber. 2020 , 5, 2575-2583	3
1139	Interface passivation strategy improves the efficiency and stability of organicIhorganic hybrid metal halide perovskite solar cells. 2020 , 35, 2166-2189	3
1138	Dip-coated rapeseed meal composite as a green carrier for light-induced controlled release of pesticide. 2020 , 44, 15983-15993	3
1137	Highly Selective CO Electroreduction to CH by In Situ Generated Cu O Single-Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. 2020 , 59, 23641-23648	117
1136	Combined fluorescence-guided surgery and photodynamic therapy for glioblastoma multiforme using cyanine and chlorin nanocluster. 2020 , 149, 243-252	5
1135	Ruthenium single-atom catalysis for electrocatalytic nitrogen reduction unveiled by grand canonical density functional theory. 2020 , 8, 20402-20407	12
1134	Tyro3 Contributes to Retinal Ganglion Cell Function, Survival and Dendritic Density in the Mouse Retina. 2020 , 14, 840	1
1133	Recent Progress in Nanomaterial Enabled Chemical Sensors for Wearable Environmental Monitoring Applications. 2020 , 30, 2005703	37
1132	Constructing Chemical Interaction between Hematite and Carbon Nanosheets with Single Active Sites for Efficient Photo-Electrochemical Water Oxidation. 2020 , 4, 2000577	10
1131	Signature of local stress states in the deformation behavior of metallic glasses. 2020 , 12,	13
1130	A gene prioritization method based on a swine multi-omics knowledgebase and a deep learning model. 2020 , 3, 502	10
1129	Completely Amine-Free Open-Atmospheric Synthesis of High-Quality Cesium Lead Bromide (CsPbBr) Perovskite Nanocrystals. 2020 , 26, 17195-17202	15
1128	Defect passivation strategies in perovskites for an enhanced photovoltaic performance. 2020 , 13, 4017-4056	95
1127	Analysis of the atomic structure of CdS magic-size clusters by X-ray absorption spectroscopy. 2020 , 12, 19325-19332	0
1126	MetalBrganic framework based antibiotic release and antimicrobial response: an overview. 2020 , 22, 7513-7527	22
1125	Contiguous and stochastic CHH methylation patterns of plant DRM2 and CMT2 revealed by single-read methylome analysis. 2020 , 21, 194	5

1124	Towards developing efficient metalloporphyrin-based hybrid photocatalysts for CO reduction; an study. 2020 , 22, 23128-23140		2
1123	Alginate beads containing layered double hydroxide intercalated with borate: a potential slow-release boron fertilizer for application in sandy soils. 2020 , 44, 16965-16976		2
1122	Intrinsic recurrence quantification analysis of nonlinear and nonstationary short-term time series. 2020 , 30, 093104		O
1121	Plumage patterns: Ecological functions, evolutionary origins, and advances in quantification. 2020 , 137,		9
1120	Heat tolerance in vegetables in the current genomic era: an overview. 2020 , 92, 497-516		5
1119	Densification Behavior and Influence of Building Direction on High Anisotropy in Selective Laser Melting of High-Strength 18Ni-Co-Mo-Ti Maraging Steel. 2020 , 51, 5861-5879		8
1118	Using Active Surface Plasmons in a Multibit Optical Storage Device to Emulate Long-Term Synaptic Plasticity. 2020 , 217, 2000354		1
1117	A biopolymeric buffer layer improves device efficiency and stability in inverted organic solar cells. 2020 , 8, 15795-15803		7
1116	The wild grape genome sequence provides insights into the transition from dioecy to hermaphroditism during grape domestication. 2020 , 21, 223		26
1115	Effective Modulation of CNS Inhibitory Microenvironment using Bioinspired Hybrid-Nanoscaffold-Based Therapeutic Interventions. 2020 , 32, e2002578		15
1114	A note on stress rotations due to the 2004 Mw 9.2 SumatraAndaman megathrust earthquake. 2020 , 129, 1		2
1113	A MoFe nitrogenase-mimicking electrocatalyst for nitrogen fixation with high faradaic efficiency. 2020 , 8, 19278-19282		11
1112	Concentrating, diverging, shifting, and splitting electromagnetic beams using a single conical structure. 2020 , 128, 093105		О
1111	Modulation of Orbital-Angular-Momentum Symmetry of Nondiffractive Acoustic Vortex Beams and Realization Using a Metasurface. 2020 , 14,		6
1110	Quantitative analysis of the effects of morphological changes on extracellular electron transfer rates in cyanobacteria. 2020 , 13, 150		3
1109	Full Manipulation of the Power Intensity Pattern in a Large Space-Time Digital Metasurface: From Arbitrary Multibeam Generation to Harmonic Beam Steering Scheme. 2020 , 532, 2000321		10
1108	Environmental-social-economic footprints of consumption and trade in the Asia-Pacific region. Nature Communications, 2020 , 11, 4490	17.4	26
1107	Simple and secure data encryption via molecular weight distribution fingerprints. 2020 , 11, 6463-6470		6

Two 3D Mn-based coordination polymers: synthesis, structure and magnetocaloric effect.. 2020, 10, 33628-33634

Biomass in situ conversion to Fe single atomic sites coupled with Fe2O3 clusters embedded in	
porous carbons for the oxygen reduction reaction. 2020 , 8, 20629-20636	24
Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO2: insights into performance, theories and perspective. 2020 , 8, 19156-19195	53
Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. 2020 , 369, 1351-1354	17
1102 Implications of flavonoids as potential modulators of cancer neovascularity. 2020 , 146, 3079-3096	18
Autoreservoir computing for multistep ahead prediction based on the spatiotemporal information transformation. <i>Nature Communications</i> , 2020 , 11, 4568	15
1100 The biomolecule corona of lipid nanoparticles contains circulating cell-free DNA. 2020 , 5, 1476-1486	5
1099 Nonlinearity induced topological physics in momentum space and real space. 2020 , 102,	5
1098 The evolution of flight in bats: a novel hypothesis. 2020 , 50, 426-439	3
MicroRNAs and obesity-induced endothelial dysfunction: key paradigms in molecular therapy. 2020 , 19, 136	16
Copper-Catalyzed Tandem Radical Cyclization of 8-Ethynyl-1-naphthyl-amines for the Synthesis of 2-Benzo[[1,2]thiazine 1,1-Dioxides and its Fluorescence Properties. 2020 , 85, 12526-12534	4
Malignant transformation and genetic alterations are uncoupled in early colorectal cancer progression. 2020 , 18, 116	3
910 metagenome-assembled genomes from the phytobiomes of three urban-farmed leafy Asian greens. 2020 , 7, 278	9
1093 Quasicrystalline phase-change memory. 2020 , 10, 13673	2
On an enhancement of RNA probing data using information theory. 2020 , 15, 15	1
1091 Self-limiting paratransgenesis. 2020 , 14, e0008542	5
Strain localization and failure of disordered particle rafts with tunable ductility during tensile deformation. 2020 , 16, 8226-8236	1
1089 Surface and bulk electronic structure of aluminium diboride. 2020 , 102,	1

1088	Circulating cavity magnon polaritons. 2020 , 102,	9
1087	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. 2020 , 59, 22185-22193	8
1086	A new and diverse paleofauna of the extinct snakefly family Baissopteridae from the mid-Cretaceous of Myanmar (Raphidioptera). 2020 , 20, 565-595	3
1085	CryoEM structure of the low-complexity domain of hnRNPA2 and its conversion to pathogenic amyloid. <i>Nature Communications</i> , 2020 , 11, 4090	36
1084	Potassium doping-induced variations in the structures and photoelectric properties of a MAPbI perovskite and a MAPbI/TiO junction. 2020 , 22, 20553-20561	3
1083	In situ plasma-assisted synthesis of polydopamine-functionalized gold nanoparticles for biomedical applications. 2020 , 22, 6588-6599	17
1082	Exploratory studies on azido-bridged complexes (Ni and Mn) as dual colourimetric chemosensors for S and Ag: combined experimental and theoretical outcomes with real field applications. 2020 , 49, 13090-13099	5
1081	Intrinsic self-healing polymers for advanced lithium-based batteries: Advances and strategies. 2020 , 7, 031304	25
1080	High genetic burden of type 2 diabetes can promote the high prevalence of disease: a longitudinal cohort study in Iran. 2020 , 10, 14006	2
1079	Isothermally crystallized perovskites at room-temperature. 2020 , 13, 3412-3422	71
1078	Promising nanomaterials in the fight against malaria. 2020 , 8, 9428-9448	15
1077	High Thermoelectric Performance and Defect Energetics of Multipocketed Full Heusler Compounds. 2020 , 14,	6
1076	Retooling Cancer Nanotherapeutics' Entry into Tumors to Alleviate Tumoral Hypoxia. 2020 , 16, e2003000	19
1075	Practical and inexpensive acid-activated montmorillonite catalysts for energy-efficient CO2 capture. 2020 , 22, 6328-6333	9
1074	Mathematical and computational models of RNA nanoclusters and their applications in data-driven environments. 2020 , 46, 1094-1115	6
1073	Bacteria but not fungi respond to soil acidification rapidly and consistently in both a spruce and beech forest. 2020 , 96,	5
1072	Improving Performance of Nonvolatile Perovskite-Based Photomemory by Size Restrain of Perovskites Nanocrystals in the Hybrid Floating Gate. 2020 , 6, 2000458	14
1071	Comparative study of sensilla and other tegumentary structures of Myrmeleontidae larvae (Insecta, Neuroptera). 2020 , 281, 1191-1209	2

1070	Influence of surface coating on the microstructures and dielectric properties of BaTiO ceramic a cold sintering process 2020 , 10, 30870-30879	1
1069	A framework for signaling throughout the life cycle of Babesia species. 2021 , 115, 882-890	3
1068	Recent progress on peripheral neural interface technology towards bioelectronic medicine. 2020 , 6, 23	15
1067	Prevalence and Characterization of Carbapenem-Hydrolyzing Class D £Lactamase-Producing Isolates From Ghana. 2020 , 11, 587398	6
1066	Reduction of cadmium accumulation in the grains of male sterile rice Chuang-5S carrying or through marker-assisted selection. 2020 , 10, 539	2
1065	Drug repurposing for COVID-19 using machine learning and mechanistic models of signal transduction circuits related to SARS-CoV-2 infection. 2020 , 5, 290	17
1064	LiLaMO (M = W, Te) as a new series of lithium-rich double perovskites for all-solid-state lithium-ion batteries. <i>Nature Communications</i> , 2020 , 11, 6392	14
1063	Suppressing the ferroelectric switching barrier in hybrid improper ferroelectrics. 2020 , 6,	3
1062	Environmental flexibility does not explain metabolic robustness. 2020 , 6, 39	1
1061	Network-based approach highlighting interplay among anti-hypertensives: target coding-genes: diseases. 2020 , 10, 20152	
1060	Adaptive selection drives TRPP3 loss-of-function in an Ethiopian population. 2020 , 10, 20999	
1059	Mott localization in the van der Waals crystal CrI3: A GGA+DMFT study. 2020 , 102,	2
1058	Optoelectronic synapse using monolayer MoS field effect transistors. 2020 , 10, 21870	20
1057	Mo[OMo] Lewis acid-base cluster pairs: highly efficient and stable Lewis catalysis fields frustrated in crystalline nanoclusters. 2020 , 12, 20230-20238	3
1056	Anomalous exciton Rydberg series in two-dimensional semiconductors on high-l'dielectric substrates. 2020 , 102,	4
1055	Convolutional restricted Boltzmann machine aided Monte Carlo: An application to Ising and Kitaev models. 2020 , 102,	2
1054	Canted Persistent Spin Texture and Quantum Spin Hall Effect in WTe_{2}. 2020, 125, 256603	17
1053	A 2D material-based floating gate device with linear synaptic weight update. 2020 , 12, 24503-24509	12

1052	STARRPeaker: uniform processing and accurate identification of STARR-seq active regions. 2020 , 21, 298	12
1051	Gradient Hydrogels. 2021 , 178, 227-251	
1050	Enhanced Catalytic Activity of a Vanadium-Doped Mesoporous Octahedral Molecular Sieve-2 (K-OMS-2) toward Hydrogen Evolution Reaction. 2020 , 3, 12185-12193	3
1049	High-efficiency switching effect and negative differential conductance in cyclo[18]carbongraphene nanoribbon junction. 2020 , 128, 194303	4
1048	Chemically Modified Biopolymers for the Formation of Biomedical Hydrogels. 2021 , 121, 10908-10949	52
1047	Greening the international monetary system? Not without addressing the political ecology of global imbalances. 2020 , 1-26	3
1046	Dynamics of phytoplankton species composition, biomass and nutrients in the North Atlantic during spring and summer - A trans-Atlantic study. 2020 , 180, 104890	1
1045	Electrochemical performance and storage mechanism study of conjugate donor acceptor organic polymers as anode materials of lithium-ion battery. 2020 , 6, 2094-2105	8
1044	The regulating effect of doping Cu on the catalytic performance of CO oxidative coupling to DMO on PdxCuy/GDY: A DFT study. 2020 ,	2
1043	Role of SPTSSB-Regulated de Novo Sphingolipid Synthesis in Prostate Cancer Depends on Androgen Receptor Signaling. 2020 , 23, 101855	2
1042	Solvent Responsive Self-Folding of 3D Photosensitive Graphene Architectures. 2020 , 2000195	2
1041	Evolutionary adaptation of high-diversity communities to changing environments. 2020 , 10, 11941-11953	1
1040	Atmospheric Dynamics of Hot Giant Planets and Brown Dwarfs. 2020 , 216, 1	25
1039	Greater Greenland Ice Sheet contribution to global sea level rise in CMIP6. <i>Nature Communications</i> , 2020 , 11, 6289	19
1038	Optimal quantum dot size for photovoltaics with fusion. 2020 , 12, 24362-24367	
1037	FT-IR in situ thermoelectrochemical cell for electrode kinetics study. 2020 , 1652, 012029	
1036	Exceptional Points in Plasmonic Waveguides Do Not Require Gain or Loss. 2020 , 14,	2
1035	Active nematics with quenched disorder. 2020 , 102, 052609	1

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1033	Core-Shell Structured MXene@Carbon Nanodots as Bifunctional Catalysts for Solar-Assisted Water Splitting. 2020 ,		28
1032	Frequency selective wave beaming in nonreciprocal acoustic phased arrays. 2020, 10, 21339		5
1031	High yield synthesis of graphene quantum dots from biomass waste as a highly selective probe for Fe sensing. 2020 , 10, 21262		35
1030	Propagation of exciton-polaritons in monolayer semiconductor coupled to at-Ibound state in the continuum. 2020 ,		
1029	The Evolution of Phenotypic Plasticity in Response to Temperature Stress. 2020 , 12, 2429-2440		8
1028	Thermoelectric Performance of the Half-Heusler Phases RNiSb (R=Sc,Dy,Er,Tm,Lu): High Mobility Ratio between Majority and Minority Charge Carriers. 2020 , 14,		8
1027	Spin magnetometry as a probe of stripe superconductivity in twisted bilayer graphene. 2020 , 102,		9
1026	Bioinformatic analysis and functional predictions of selected regeneration-associated transcripts expressed by zebrafish microglia. 2020 , 21, 870		3
1025	Theoretical Constraints on Fe Reduction Rates in Upland Soils as a Function of Hydroclimatic Conditions. 2020 , 125, e2020JG005894		2
1024	Depth-dependent valence stratification driven by oxygen redox in lithium-rich layered oxide. <i>Nature Communications</i> , 2020 , 11, 6342	17.4	13
1023	Exploring the construction and infiltration strategies of social bots in sina microblog. 2020 , 10, 19821		1
1022	Synergistic effect of hierarchical nanopores in Co-doped cobalt oxide 3D flowers for electrochemical energy storage 2020 , 10, 43825-43833		3
1021	Guanine Nucleotide-Binding Protein-Like 1 (GNL1) binds RNA G-quadruplex structures in genes associated with Parkinson's disease. 2021 , 18, 1339-1353		4
1020	Managing Financial Risk Trade-Offs for Hydropower Generation Using Snowpack-Based Index Contracts. 2020 , 56, e2020WR027212		2
1019	Common schizophrenia risk variants are enriched in open chromatin regions of human glutamatergic neurons. <i>Nature Communications</i> , 2020 , 11, 5581	17.4	12
1018	Controlled hierarchical self-assembly of networked coordination nanocapsules the use of molecular chaperones. 2020 , 11, 12547-12552		7
1017	Microwave properties of Fe(Se,Te) thin films in a magnetic field: pinning and flux flow. 2020 , 1559, 0120	55	7

1016	Drug-drug similarity measure and its applications. 2021 , 22,	8
1015	Feather morphological predictors of angle-dependent color changes in parrot plumage. 2020 , 13, 108-117	O
1014	The Potential Use of Drones for Tourism in Crises: A Facility Location Analysis Perspective. 2020 , 13, 246	5
1013	Control strategies to manage trade-offs during microbial production. 2020 , 66, 158-164	6
1012	Mitigation of nitrous oxide emissions in the context of nitrogen loss reduction from agroecosystems: managing hot spots and hot moments. 2020 , 47, 46-53	9
1011	Abrupt climate change: Exploring the implications of a wild card. 2020 , 124, 102641	1
1010	Hierarchical porous carbon sheets for high-performance room temperature sodium ulfur batteries: integration of nitrogen-self-doping and space confinement. 2020 , 8, 24590-24597	20
1009	Visible light induced synthesis of high toughness, self-healing ionic hydrogel and its application in strain sensing. 2020 , 607, 125438	10
1008	The rational doping of P and W in multi-stage catalysts to trigger Pt-like electrocatalytic performance. 2020 , 8, 25165-25172	8
1007	Segmentation of the Aleutian-Alaska Subduction Zone Revealed by Full-Wave Ambient Noise Tomography: Implications for the Along-Strike Variation of Volcanism. 2020 , 125, e2020JB019677	10
1006	Ultra elastic, stretchable, self-healing conductive hydrogels with tunable optical properties for highly sensitive soft electronic sensors. 2020 , 8, 24718-24733	45
1005	Barrier properties of Cu/TiW/ITO electrode for Si heterojunction solar cell under low temperature thermal aging. 2020 , 114, 113914	2
1004	Nitrite-Responsive Hydrogel: Smart Drug Release Depending on the Severity of the Nitric Oxide-Related Disease. 2020 , 12, 51185-51197	4
1003	Genome-wide meta-analysis of brain volume identifies genomic loci and genes shared with intelligence. <i>Nature Communications</i> , 2020 , 11, 5606	12
1002	Advancing Diversity and Inclusion in United States' Space Weather and Space Physics Communities. 2020 , 18, e2020SW002564	0
1001	Plant cell wall hydrolysis process reveals structure-activity relationships. 2020 , 16, 147	2
1000	PINK1/PARKIN signalling in neurodegeneration and neuroinflammation. 2020, 8, 189	60
999	Acoustofluidics-Assisted Fluorescence-SERS Bimodal Biosensors. 2020 , 16, e2005179	28

998	Pore-Scale Water Vapor Condensation Behaviors in Shales: An Experimental Study. 2020, 135, 713-734	4
997	Synchrotron microtomography applied to the volumetric analysis of internal structures of Thoropa miliaris tadpoles. 2020 , 10, 18934	3
996	A colorimetric sensing platform based on self-assembled 3D porous CeGONR nanozymes for label-free visual detection of organophosphate pesticides. 2020 , 1, 2789-2796	3
995	Colloidal three-dimensional covalent organic frameworks and their application as porous liquids. 2020 , 8, 23455-23462	12
994	Genome-Wide Association Study Highlights as a Novel Locus for Lipoprotein(a) Levels-Brief Report. 2021 , 41, 458-464	14
993	Positive selection in admixed populations from Ethiopia. 2020 , 21, 108	3
992	Pathogenicity of severe fever with thrombocytopenia syndrome virus in mice regulated in type I interferon signaling: Severe fever with thrombocytopenia and type I interferon. 2020 , 36, 38	1
991	March of : miRNAs intercept host cell CD40 signalling. 2020 , 9, e1179	1
990	Recent Advances in Hybrid Biomimetic Polymer-Based Films: from Assembly to Applications. 2020 , 12,	12
989	Monolithic Perovskite Tandem Solar Cells: A Review of the Present Status and Advanced Characterization Methods Toward 30% Efficiency. 2020 , 10, 1904102	159
989 988		159 0
	Characterization Methods Toward 30% Efficiency. 2020 , 10, 1904102	
988	Characterization Methods Toward 30% Efficiency. 2020, 10, 1904102 Many-body effects in nodal-line semimetals: Correction to the optical conductivity. 2020, 101,	0
988 987	Characterization Methods Toward 30% Efficiency. 2020, 10, 1904102 Many-body effects in nodal-line semimetals: Correction to the optical conductivity. 2020, 101, Chemothermally Driven Out-of-Equilibrium Materials for Macroscopic Motion. 2020, 2, e2000024	0
988 987 986	Characterization Methods Toward 30% Efficiency. 2020, 10, 1904102 Many-body effects in nodal-line semimetals: Correction to the optical conductivity. 2020, 101, Chemothermally Driven Out-of-Equilibrium Materials for Macroscopic Motion. 2020, 2, e2000024 Influence of growth rate and orientation on thermoelectric properties in Mg3Sb2 crystal. 2020, 31, 9773-9782 Reliability Analysis and Performance Evaluation of STT-MRAM-Based Physical Unclonable Function.	0 0 2 0
988 987 986 985	Characterization Methods Toward 30% Efficiency. 2020, 10, 1904102 Many-body effects in nodal-line semimetals: Correction to the optical conductivity. 2020, 101, Chemothermally Driven Out-of-Equilibrium Materials for Macroscopic Motion. 2020, 2, e2000024 Influence of growth rate and orientation on thermoelectric properties in Mg3Sb2 crystal. 2020, 31, 9773-9782 Reliability Analysis and Performance Evaluation of STT-MRAM-Based Physical Unclonable Function. 2020, 10, 2040002	0 0 2 0 2
988 987 986 985 984	Characterization Methods Toward 30% Efficiency. 2020, 10, 1904102 Many-body effects in nodal-line semimetals: Correction to the optical conductivity. 2020, 101, Chemothermally Driven Out-of-Equilibrium Materials for Macroscopic Motion. 2020, 2, e2000024 Influence of growth rate and orientation on thermoelectric properties in Mg3Sb2 crystal. 2020, 31, 9773-9782 Reliability Analysis and Performance Evaluation of STT-MRAM-Based Physical Unclonable Function. 2020, 10, 2040002 Perfect soliton crystal in a microcavity via sub-harmonic phase-modulation scheme. 2020, 59, 060903	0 0 2 0 2 1

980	Exposure to UV radiance predicts repeated evolution of concealed black skin in birds. <i>Nature Communications</i> , 2020 , 11, 2414	17.4	5
979	A self-operating broadband spectrometer on a droplet. <i>Nature Communications</i> , 2020 , 11, 2263	17.4	7
978	Direct Measurement of the Radiative Pattern of Bright and Dark Excitons and Exciton Complexes in Encapsulated Tungsten Diselenide. 2020 , 10, 8091		10
977	High-performance frequency stabilization of ultraviolet diode lasers by using dichroic atomic vapor spectroscopy and transfer cavity. 2020 , 29, 074210		3
976	Tetragonal zirconia based ternary ZnO-ZrO2-MOx solid solution catalysts for highly selective conversion of CO2 to methanol at High reaction temperature. 2020 , 88, 268-277		8
975	Multilayered SiO2/Si3N4 photonic emitter to achieve high-performance all-day radiative cooling. 2020 , 212, 110584		35
974	Selective Fischer Tropsch synthesis for jet fuel production over Y3+ modified Co/H-ltatalysts. 2020 , 4, 3528-3536		2
973	Tapered Cross-Section Photoelectron Spectroscopy of State-of-the-Art Mixed Ion Perovskite Solar Cells: Band Bending Profile in the Dark, Photopotential Profile Under Open Circuit Illumination, and Band Diagram. 2020 , 30, 1910679		12
972	Recent experimental explorations of non-classical nucleation. 2020 , 22, 4057-4073		17
971	Modulating the thermomechanical properties and self-healing efficiency of siloxane-based soft polymers through metallgand coordination. 2020 , 44, 8977-8985		10
970	Iron-coordinating Econjugated semiconducting polymer: morphology and charge transport in organic field-effect transistors. 2020 , 8, 8213-8223		9
969	The Lifecycle of the Plant Immune System. 2020 , 39, 72-100		18
968	A gas outburst prevention and control strategy for single thick coal seams with high outburst risk: A case study of Hudi Coal Mine in Qinshui Basin. 2020 , 8, 2471-2491		6
96 7	Simultaneous electrical detection of IL-6 and PCT using a microfluidic biochip platform. 2020 , 22, 36		5
966	Supramolecular organic frameworks with ultralong phosphorescence via breaking Econjugated structures. 2020 , 1, 100007		6
965	Advances in the green chemistry of coordination polymer materials. 2020 , 22, 3693-3715		32
964	Facet-, composition- and wavelength-dependent photocatalysis of AgMoO 2020 , 10, 18377-18383		9
963	Design of nanomaterials for applications in maternal/fetal medicine. 2020 , 8, 6548-6561		10

962	Design-controlled synthesis of IrO sub-monolayers on Au nanoflowers: marrying plasmonic and electrocatalytic properties. 2020 , 12, 12281-12291	14
961	Two-dimensional material membranes for critical separations. 2020 , 7, 2560-2581	22
960	High axial resolution and long field of view for light-sheet fluorescence microscopy via double-beam aperture. 2020 , 135, 1	1
959	Ideas for how informaticians can get involved with COVID-19 research. 2020 , 13, 3	13
958	Reversible Photoinduced Phase Segregation and Origin of Long Carrier Lifetime in Mixed-Halide Perovskite Films. 2020 , 30, 2002622	16
957	Geosciences in Central South University: A state-of-the-art review. 2020 , 27, 975-996	3
956	Preparation of shape-specific (trilateral and quadrilateral) carbon quantum dots towards multiple color emission. 2020 , 12, 11947-11959	19
955	Mesoporous carbon host material for stable lithium metal anode. 2020 , 12, 11818-11824	28
954	Diffusion properties of self-propelled particles in cellular flows. 2020 , 16, 5431-5438	7
953	Recent advances in structural engineering of MXene electrocatalysts. 2020 , 8, 10604-10624	94
952	Intercalation and exfoliation chemistries of transition metal dichalcogenides. 2020, 8, 15417-15444	69
951	Initial investigation and evaluation of potassium metal as an anode for rechargeable potassium batteries. 2020 , 8, 16718-16737	22
950	A socialbots analysis-driven graph-based approach for identifying coordinated campaigns in twitter. 2020 , 38, 2961-2977	3
949	Aggregation-Induced Improvement of Catalytic Activity by Inner-Aggregate Electronic Communication of Metal-Fullerene-Based Surfactants. 2020 , 12, 2726-2731	3
948	Synthesis and Characterization of Anionic Poly(cyclopentadienylene vinylene) and Its Use in Conductive Hydrogels. 2020 , 59, 13430-13436	3
947	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. 2020 , 59, 13557-13561	91
946	The genomics of coloration provides insights into adaptive evolution. 2020 , 21, 461-475	35
945	Enhanced Thermoelectric Properties in p-Type Double Half-Heusler Ti2JHfyFeNiSb2ASnx Compounds. 2020 , 217, 2000096	7

944	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. 2020 , 132, 13659-13663	7
943	Illuminating dendritic function with computational models. 2020 , 21, 303-321	50
942	Photoelectrochemical water splitting: a road from stable metal oxides to protected thin film solar cells. 2020 , 8, 10625-10669	86
941	Oncolytic Newcastle disease virus delivered by Mesenchymal stem cells-engineered system enhances the therapeutic effects altering tumor microenvironment. 2020 , 17, 64	9
940	Dual-Functionalized Crescent Microgels for Selectively Capturing and Killing Cancer Cells. 2020 , 59, 14076-14	1080
939	Recent Advances of pH-Induced Charge-Convertible Polymer-Mediated Inorganic Nanoparticles for Biomedical Applications. 2020 , 41, e2000106	14
938	Boosting the bifunctional oxygen electrocatalytic performance of atomically dispersed Fe site via atomic Ni neighboring. 2020 , 274, 119091	56
937	Reconsidering proteomic diversity with functional investigation of small ORFs and alternative ORFs. 2020 , 393, 112057	12
936	Impact of structural changes in heteroleptic bismuth phosphinates on their antibacterial activity in Bi-nanocellulose composites. 2020 , 49, 7341-7354	4
935	A glutathione-dependent control of the indole butyric acid pathway supports Arabidopsis root system adaptation to phosphate deprivation. 2020 , 71, 4843-4857	11
934	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation. 2020 , 21, 108	18
933	Additive and mostly adaptive plastic responses of gene expression to multiple stress in Tribolium castaneum. 2020 , 16, e1008768	12
932	Multimodal Nanoscale Tomographic Imaging for Battery Electrodes. 2020 , 10, 1904119	16
931	Chiral Cu Co S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. 2020 , 59, 13915-13922	15
930	Dual-Template Pore Engineering of Whey Powder-Derived Carbon as an Efficient Oxygen Reduction Reaction Electrocatalyst for Primary Zinc-Air Battery. 2020 , 15, 1881-1889	1
929	A one-pot radiosynthesis of [F]PARPi. 2020 , 63, 419-425	3
928	Whole genome sequence analysis of Cupriavidus campinensis S14E4C, a heavy metal resistant bacterium. 2020 , 47, 3973-3985	5
927	Metagenome-assembled genomes reveal unique metabolic adaptations of a basal marine Thaumarchaeota lineage. 2020 , 14, 2105-2115	19

926	Template-free fabrication of BiFeO nanorod arrays: multiferroic and photo-electrochemical performances. 2020 , 31, 355602		3
925	Robust phase shift keying modulation method for spin torque nano-oscillator. 2020 , 31, 375205		4
924	Examination of the ocean as a source for atmospheric microplastics. 2020 , 15, e0232746		79
923	Active layer thickness dependence of optoelectronic performance in CH3NH3PbI3 perovskite-based planar heterojunction photodiodes. 2020 , 106, 109960		3
922	Evolutionary game analysis of online collective behaviour with the introduction of the degree of psychological identity. 2020 , 1-11		1
921	Synthesis and field emission of ZrC nanowire. 2020 , 25, 101240		5
920	Characterization of glycosyl dioxolenium ions and their role in glycosylation reactions. <i>Nature Communications</i> , 2020 , 11, 2664	17.4	40
919	Carbon dot-dispersed hexabutyloxytriphenylene discotic mesogens: structural, morphological and charge transport behavior. 2020 , 8, 9252-9261		9
918	Suppression of unwanted CRISPR-Cas9 editing by co-administration of catalytically inactivating truncated guide RNAs. <i>Nature Communications</i> , 2020 , 11, 2697	17.4	19
917	Ultrafast reprogrammable multifunctional vanadium-dioxide-assisted metasurface for dynamic THz wavefront engineering. 2020 , 10, 8950		33
916	Consumption-based carbon emissions and trade nexus: Evidence from nine oil exporting countries. 2020 , 89, 104806		106
915	Engineering of Electron Extraction and Defect Passivation via Anion-Doped Conductive Fullerene Derivatives as Interlayers for Efficient Invert Perovskite Solar Cells. 2020 , 12, 24747-24755		21
914	Peroxisomal targeting of a protein phosphatase type 2C via mitochondrial transit. <i>Nature Communications</i> , 2020 , 11, 2355	17.4	8
913	Mn-doped 2D Sn-based perovskites with energy transfer from self-trapped excitons to dopants for warm white light-emitting diodes. 2020 , 8, 8502-8506		13
912	Chiral CuxCoyS Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. 2020 , 132, 14019-14026		7
911	The role of gallium and indium in improving the electrochemical characteristics of AlMgBn-based alloy for AlBir battery anodes in 2 M NaCl solution. 2020 , 55, 11545-11560		9
910	Unprecedented Lower Over-potential for CO2 Electro-reduction on Copper oxide Anchored to Graphene Oxide Microstructures. 2020 , 39, 101178		8
909	MinProtMaxVP: Generating a minimized number of protein variant sequences containing all possible variant peptides for proteogenomic analysis. 2020 , 223, 103819		2

908	A simple transparent electrode fabrication method by filling in Ag composites into scratch gap. 2020 , 228, 111331	1
907	Aryl Hydrocarbon Receptor-Dependent inductions of omega-3 and omega-6 polyunsaturated fatty acid metabolism act inversely on tumor progression. 2020 , 10, 7843	8
906	Transient Arousal Modulations Contribute to Resting-State Functional Connectivity Changes Associated with Head Motion Parameters. 2020 , 30, 5242-5256	8
905	Minding the gap in HIV host genetics: opportunities and challenges. 2020 , 139, 865-875	5
904	High cell voltage and storage capacity of graphyne as the anode of K-ion batteries: computational studies. 2020 , 26, 141	3
903	Single-polarization single-mode hollow-core negative-curvature fiber with silicon-coated cladding. 2020 , 52, 1	2
902	Solution-processed perovskite solar cells. 2020 , 27, 1104-1133	21
901	Highly stable phosphine modified VOx/Al2O3 catalyst in propane dehydrogenation. 2020 , 274, 119089	27
900	Carboxylated cellulose cryogel beads via a one-step ester crosslinking of maleic anhydride for copper ions removal. 2020 , 242, 116397	11
899	Bacterial community and environmental factors associated to rivers runoff and their possible impacts on coral reef conservation. 2020 , 156, 111233	3
898	Integrated POSS-dendrimer nanohybrid materials: current status and future perspective. 2020 , 12, 11395-1	141\$5
897	Congruent melting of tungsten phosphide at 5 GPa and 3200 °C for growing its large single crystals. 2020 , 29, 088202	O
896	Smart and Intelligent E-nose for Sensitive and Selective Chemical Sensing Applications. 2020, 149-171	6
895	Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. 2020 , 30, 2001708	29
894	High-performance three-dimensional nanoporous gold based electrodes for flexible all-solid-state supercapacitors. 2020 , 27, 1309-1317	1
893	Sonodynamic Therapy of Mice Breast Adenocarcinoma with HP-MSN. 2020 , 44, 651-660	O
892	In situ 3D X-ray microtomography of laser-based powder-bed fusion (L-PBF) A feasibility study. 2020 , 34, 101271	4
891	Achieving superior high-capacity K-ion batteries with the C57 carbon monolayer anode by first-principles calculations. 2020 , 526, 146638	5

890	Recent advances in long-acting nanoformulations for delivery of antiretroviral drugs. 2020, 324, 379-404	19
889	Recycling of cathode from spent lithium iron phosphate batteries. 2020 , 399, 123068	29
888	Unprecedentedly high indoor performance (efficiency > 34 %) of perovskite photovoltaics with controlled bromine doping. 2020 , 75, 104984	30
887	Seasonal influences on groundwater arsenic concentrations in the irrigated region of the Cambodian Mekong Delta. 2020 , 728, 138598	9
886	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. 2020 , 10, 172	46
885	Application of Mycobacterium smegmatis as a surrogate to evaluate drug leads against Mycobacterium tuberculosis. 2020 , 73, 780-789	13
884	A fluorescent sensor based on oyster mushroom-carbon dots for sensing nitroarenes in aqueous solutions. 2020 , 44, 10525-10535	9
883	Biosilica slab photonic crystals as an alternative to cleanroom nanofabrication?. 2020 , 223, 261-277	1
882	Anisotropic mineralized collagen scaffolds accelerate osteogenic response in a glycosaminoglycan-dependent fashion. 2020 , 10, 15629-15641	7
881	Combined spectroscopic imaging STM and ARPES study of different gaps measured in the cuprate phase diagram. 2020 , 101,	1
880	Diacylglycerol-evoked activation of PKC and PKD isoforms in regulation of glucose and lipid metabolism: a review. 2020 , 19, 113	24
879	CRISPRi-mediated programming essential gene can as a Direct Enzymatic Performance Evaluation & Determination (DEPEND) system. 2020 , 117, 2842-2851	3
878	On the Formation of the Popcorn Flavorant 2,3-Butanedione (CH COCOCH) in Acetaldehyde-Containing Interstellar Ices. 2020 , 21, 1531-1540	5
877	A porous organic polymer-coated permselective separator mitigating self-discharge of lithiumBulfur batteries. 2020 , 1, 648-657	8
876	Emergence of simple patterns in many-body systems: from macroscopic objects to the atomic nucleus. 2020 , 56, 1	5
875	But Weight, There's More: Genetic and Hormonal Control of Fruit Size in Fleshy Fruits. 2020 , 215-250	
874	Bidirectional All-Optical Synapses Based on a 2D Bi2O2Se/Graphene Hybrid Structure for Multifunctional Optoelectronics. 2020 , 30, 2001598	48
873	Engineered biomaterials for cancer immunotherapy. 2020 , 1, 35-46	19

872	Dyslexia as an adaptation to cortico-limbic stress system reactivity. 2020 , 12, 100223		7
871	Populations dynamics in Northern Eurasian forests: a long-term perspective from Northeast Asia. 2020 , 2,		1
870	Exchange Bias in van der Waals CrCl/FeGeTe Heterostructures. 2020, 20, 5030-5035		26
869	A novel photothermo-responsive nanocarrier for the controlled release of low-volatile fragrances 2020 , 10, 14867-14876		5
868	Rapidly self-healing, magnetically controllable, stretchable, smart, moldable nanoparticle composite gel. 2020 , 44, 10586-10591		3
867	Precipitation-drainage cycles lead to hot moments in soil carbon dioxide dynamics in a Neotropical wet forest. 2020 , 26, 5303-5319		6
866	Modeling the effects of motivation on choice and learning in the basal ganglia. 2020, 16, e1007465		5
865	Fabrication of high efficiency, low-temperature planar perovskite solar cells via scalable double-step crystal engineering deposition method fully out of glove box. 2020 , 206, 181-187		4
864	In situ evidence of thermally induced rock breakdown widespread on Bennu's surface. <i>Nature Communications</i> , 2020 , 11, 2913	17.4	35
863	A decade of advances in horses in continuous in a 2020 24 F26 F40		
003	A decade of advances in transposon-insertion sequencing. 2020 , 21, 526-540		78
862	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020 , 3, 302		78 6
	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1		
862	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020 , 3, 302 Tunable nanogels by host-guest interaction with carboxylate pillar[5]arene for controlled		6
862	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020, 3, 302 Tunable nanogels by host-guest interaction with carboxylate pillar[5]arene for controlled encapsulation and release of doxorubicin. 2020, 12, 13595-13605 Personalized prediction of human diseases with single-sample dynamic network biomarkers. 2020,		6
862 861 860	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020, 3, 302 Tunable nanogels by host-guest interaction with carboxylate pillar[5]arene for controlled encapsulation and release of doxorubicin. 2020, 12, 13595-13605 Personalized prediction of human diseases with single-sample dynamic network biomarkers. 2020, 14, 615-620 Effects of disturbance patterns and deadwood on the microclimate in European beech forests.		6 3 0
862 861 860 859	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020, 3, 302 Tunable nanogels by host-guest interaction with carboxylate pillar[5]arene for controlled encapsulation and release of doxorubicin. 2020, 12, 13595-13605 Personalized prediction of human diseases with single-sample dynamic network biomarkers. 2020, 14, 615-620 Effects of disturbance patterns and deadwood on the microclimate in European beech forests. 2020, 291, 108066 A new genus and species of parasitic wasps (Hymenoptera: Diapriidae) from Hkamti		6 3 0
862 861 860 859 858	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. 2020, 3, 302 Tunable nanogels by host-guest interaction with carboxylate pillar[5]arene for controlled encapsulation and release of doxorubicin. 2020, 12, 13595-13605 Personalized prediction of human diseases with single-sample dynamic network biomarkers. 2020, 14, 615-620 Effects of disturbance patterns and deadwood on the microclimate in European beech forests. 2020, 291, 108066 A new genus and species of parasitic wasps (Hymenoptera: Diapriidae) from Hkamti midliretaceous Burmese amber. 2020, 115, 104533 Tuning emission colour in Tm3+ doped Yb3+: KLnF4 (Ln = Y, Yb and Gd) upconversion phosphors.		6 3 0 19 3

854	A Liquid Electrolyte-Based Lithium-Ion Battery Cell Design for Operando Neutron Depth Profiling. 2020 , 167, 100554	3
853	Crystallographically Controlled Synthesis of SnSe Nanowires: Potential in Resistive Memory Devices. 2020 , 7, 2000474	7
852	Microfluidic Printing of Slippery Textiles for Medical Drainage around Wounds. 2020, 7, 2000789	32
851	The variable association between expression and methylation of estrogen receptors and the survival of patients with different tumors. 2020 , 10, e49	5
850	Tree canopy cover constrains the fertility-diversity relationship in plant communities of the southeastern United States. 2020 , 101, e03119	3
849	Facile modification of graphene oxide and its application for the aqueous uranyl ion sequestration: Insights on the mechanism. 2020 , 258, 127152	11
848	Characteristics of molecular nitrogen generation from overmature black shales in South China: Preliminary implications from pyrolysis experiments. 2020 , 120, 104527	2
847	A diamino-substituted carbodiphosphorane as strong C-donor and weak N-donor: isolation of monomeric trigonal-planar L『ZnCl. 2020 , 56, 8051-8054	11
846	Tantalum(v) 1,3-propanediolate Ediketonate solution as a precursor to sol-gel derived, metal oxide thin films 2020 , 10, 13737-13748	1
845	Different levels of energetic coupling between photosynthesis and respiration do not determine the occurrence of adaptive responses of Symbiodiniaceae to global warming. 2020 , 228, 855-868	4
844	Indium Phosphide Quantum Dots Integrated with Cadmium Sulfide Nanorods for Photocatalytic Carbon Dioxide Reduction. 2020 , 12, 4550-4557	14
843	Atomic arrangement and mechanical properties of chemical-vapor-deposited amorphous boron. 2020 , 193, 108856	2
842	Electron beam irradiation for the formation of thick Ag film on AgPO 2020, 10, 21745-21753	6
841	Template method for fabricating Co and Ni nanoparticles/porous channels carbon for solid-state sodium-sulfur battery. 2020 , 578, 710-716	13
840	Laser engineering of biomimetic surfaces. 2020 , 141, 100562	76
839	Suppressing intrinsic self-doping of CsPbIBr2 films for high-performance all-inorganic, carbon-based perovskite solar cells. 2020 , 4, 4506-4515	14
838	Spin excitations in the frustrated triangular lattice antiferromagnet NaYbO2. 2020 , 101,	13
837	How does conformity promote the enhancement of cooperation in the network reciprocity in spatial prisoner's dilemma games?. 2020 , 138, 109997	3

836	Giant sensitivity of an optical nanothermometer based on parametric and non-parametric emissions from Tm3+ doped NaNbO3 nanocrystals. 2020 , 226, 117475	7
835	Fast, tunable and reversible anion-exchange in CsPbBr3 perovskite nanocrystals with hydrohalic acids. 2020 , 22, 5022-5030	23
834	Trimetallic conductive metalorganic frameworks as precatalysts for the oxygen evolution reaction with enhanced activity. 2020 , 4, 4589-4597	9
833	Bioreducible, branched poly(Emino ester)s mediate anti-inflammatory ICAM-1 siRNA delivery against myocardial ischemia reperfusion (IR) injury. 2020 , 8, 3856-3870	7
832	Identification of therapeutic targets from genetic association studies using hierarchical component analysis. 2020 , 13, 6	О
831	Altered resting activity patterns and connectivity in individuals with complex regional pain syndrome. 2020 , 41, 3781-3793	7
830	Ultrasensitive Fluorescent Detection of Tetracycline Based on Selective Supramolecular Interaction of Nitrogen Chlorine Co D oped Graphene Quantum Dots. 2020 , 5, 7155-7163	5
829	The effect of the electric field on the output performance of triboelectric nanogenerators. 2020 , 19, 1670-1677	2
828	Interface-assisted in-situ growth of halide electrolytes eliminating interfacial challenges of all-inorganic solid-state batteries. 2020 , 76, 105015	36
827	Protein Corona-Enabled Systemic Delivery and Targeting of Nanoparticles. 2020 , 22, 83	23
826	The High-Performance Bifunctional Catalyst Pd/Ti3C2Txtarbon Nanotube for Oxygen Reduction Reaction and Hydrogen Evolution Reaction in Alkaline Medium. 2020 , 8, 2000306	17
825	Bioconversion of arachidonic acid into human 14,15-hepoxilin B and 13,14,15-trioxilin B by recombinant cells expressing microbial 15-lipoxygenase without and with epoxide hydrolase. 2020 , 42, 2001-2009	2
824	Architectural modification coupled with MAI passivation of MAPbI3MAPbI3 interface for fabrication of highly-responsive broadband bifacial perovskite photodetectors. 2020 , 20, 100649	2
823	Dye-sensitized halide perovskite: A case study on calcein dye. 2020 , 181, 108608	7
822	Rational formation of solid electrolyte interface for high-rate potassium ion batteries. 2020 , 75, 104979	36
821	Quantum-dot and organic hybrid tandem light-emitting diodes with multi-functionality of full-color-tunability and white-light-emission. <i>Nature Communications</i> , 2020 , 11, 2826	64
820	Photo-controllable rotational motion of cholesteric liquid crystalline droplets in a dispersion system 2020 , 10, 21191-21197	1
819	Robust Interface-State Laser in Non-Hermitian Microresonator Arrays. 2020 , 13,	4

818	Mechanism of pitting corrosion induced by inclusions in Al-Ti-Mg deoxidized high strength pipeline steel. 2020 , 138, 102898	4
817	2D layered noble metal dichalcogenides (Pt, Pd, Se, S) for electronics and energy applications. 2020 , 7, 100076	31
816	Nanoscale Mapping of the Directional Flow Patterns at Liquid-Solid Interfaces. 2020 , 13,	6
815	Automation and low-cost proteomics for characterization of the protein corona: experimental methods for big data. 2020 , 412, 6543-6551	8
814	Abscopal effect in radioimmunotherapy. 2020 , 85, 106663	29
813	Epigenetic regulation of white adipose tissue in the onset of obesity and metabolic diseases. 2020 , 21, e13054	2
812	Organotypic Models in Drug Development "Tumor Models and Cancer Systems Biology for the Investigation of Anticancer Drugs and Resistance Development". 2021 , 265, 269-301	1
811	Enhanced stability and performance of light-emitting diodes based on in situ fabricated FAPbBr3 nanocrystals via ligand compensation with n-octylphosphonic acid. 2020 , 8, 9936-9944	6
810	Geriatric fragility fractures are associated with a human skeletal stem cell defect. 2020 , 19, e13164	7
809	Immune Response to Herpes Simplex Virus Infection and Vaccine Development. 2020, 8,	11
808	Cross-dimensional model of the oxygen transport behavior in low-Pt proton exchange membrane fuel cells. 2020 , 400, 125796	13
807	A novel flexible broadband photodetector based on flower-like MoS2 microspheres. 2020 , 473, 125931	11
806	Biarsenical fluorescent probes for multifunctional site-specific modification of proteins applicable in life sciences: an overview and future outlook. 2020 , 12, 1179-1207	2
805	Carbon Nanomaterials Applied for the Treatment of Inflammatory Diseases: Preclinical Evidence. 2020 , 3, 2000051	4
804	InSb pixel loaded microwave resonator for high-speed mid-wave infrared detection. 2020 , 109, 103390	5
803	Nuclear delivery of dual anticancer drug-based nanomedicine constructed by cisplatinum-induced peptide self-assembly. 2020 , 12, 15275-15282	16
802	Bi-doping improves the magnetic properties of zinc oxide nanowires 2020 , 10, 23297-23311	22
801	Lack of selectivity for syntax relative to word meanings throughout the language network. 2020 , 203, 104348	34

800	Coverage-dependent differential reflectance spectra of MoS2 atomic films synthesized by CVD using a large-diameter quartz tube. 2020 , 318, 113976	2
799	New haplochromine cichlid from the upper Miocene (9-10 MYA) of Central Kenya. 2020 , 20, 65	4
79 ⁸	Ferroelectric Exchange Bias Affects Interfacial Electronic States. 2020 , 32, e2000216	3
797	Cell-free synthetic biology in the new era of enzyme engineering. 2020 , 28, 2810-2816	3
796	Effect of substituents in sulfoxides on the enhancement of thermoelectric properties of PEDOT:PSS: experimental and modelling evidence. 2020 , 5, 976-984	7
795	Controlling thermal expansion within mixed cocrystals by tuning molecular motion capability. 2020 , 11, 7701-7707	16
794	Single-Atom Catalysts for Electrocatalytic Applications. 2020 , 30, 2000768	173
793	Unveiling the Hidden Movements in the Shuttling of Rotaxanes. 2020 , 36, 748-754	O
792	The effects of border control and quarantine measures on the spread of COVID-19. 2020, 32, 100397	38
791	Pulsed Saturated Absorption Competition Microscopy on Nonbleaching Nanoparticles. 2020 , 7, 1788-1798	8
790	Stereospecific Si-C coupling and remote control of axial chirality by enantioselective palladium-catalyzed hydrosilylation of maleimides. <i>Nature Communications</i> , 2020 , 11, 2904	29
789	Characterization of the transcriptional divergence between the subspecies of cultivated rice (Oryza sativa). 2020 , 21, 394	7
788	Plasticity leaves a phenotypic signature during local adaptation. 2020 , 4, 360-370	23
787	Effective mitigation against IoTs using super materials for distributed denial of service attacks in cloud computing. 2020 , 28, 1359-1362	O
786	ROS-associated immune response and metabolism: a mechanistic approach with implication of various diseases. 2020 , 94, 2293-2317	17
785	Multifunctional Prussian blue-based nanomaterials: Preparation, modification, and theranostic applications. 2020 , 419, 213393	27
784	Epithelial-to-mesenchymal transition and different migration strategies as viewed from the neural crest. 2020 , 66, 43-50	18
783	Construction of an Unusual Two-Dimensional Layered Structure for Fused-Ring Energetic Materials with High Energy and Good Stability. 2020 , 6, 1006-1012	19

782	Microscopic Modeling of Pump P robe Spectroscopy and Population Inversion in Transition Metal Dichalcogenides. 2020 , 257, 2000223	О
781	Biofilm-inspired adhesive and antibacterial hydrogel with tough tissue integration performance for sealing hemostasis and wound healing. 2020 , 5, 768-778	59
780	A tool for deciphering the redox potential ranking of organic compounds: a case study of biomass-extracted quinones for sustainable energy. 2020 , 22, 20212-20226	0
779	Tuning proton dissociation energy in proton carrier doped 2D covalent organic frameworks for anhydrous proton conduction at elevated temperature. 2020 , 8, 13702-13709	25
778	Polyoxometalate functionalized architectures. 2020 , 414, 213260	88
777	The Mechanical Properties, Secondary Structure, and Osteogenic Activity of Photopolymerized Fibroin. 2020 , 12,	2
776	Shining Light on the Photoluminescence Properties of Metal Halide Perovskites. 2020 , 30, 1910004	58
775	Dynamics of topological defects in the noisy Kuramoto model in two dimensions. 10,	O
774	Deciphering the Space Charge Effect of the pl Junction between Copper Sulfides and Molybdenum Selenides for Efficient Water Electrolysis in a Wide pH Range. 2022 , 16, 15425-15439	5
773	High-entropy intermetallics on ceria as efficient catalysts for the oxidative dehydrogenation of propane using CO2. 2022 , 13,	2
772	Know when and how to die: gaining insights into the molecular regulation of leaf senescence. 2022 , 28, 1515-1534	0
771	Pressure-stabilized superconducting electride Li5C. 2022 , 106,	O
770	Symmetry-resolved Page curves. 2022 , 106,	О
769	Soil fungal communities show more specificity than bacteria for plant species composition in a temperate forest in China. 2022 , 22,	O
768	Bacillus-Secreted Oxalic Acid Induces Tomato Resistance Against Gray Mold Disease Caused by Botrytis cinerea by Activating the JA/ET Pathway. 2022 , 35, 659-671	О
767	A Broadband Achromatic Dielectric Planar Metalens in Mid-IR Range. 2023 , 13,	O
766	Epithelial-mesenchymal transition in cancer stemness and heterogeneity: updated. 2022, 39,	0
765	StarLight: a photonic neural network accelerator featuring a hybrid mode-wavelength division multiplexing and photonic nonvolatile memory. 2022 , 30, 37051	O

764	Theoretical Study on the Efficient Electrocatalytic N2 Reduction Reaction of Bimetallic Single Atom Embedded in Phthalocyanine.	0
763	The evolution of complex multicellularity in animals. 2022 , 37,	o
762	Posts on central websites need less originality to be noticed. 2022 , 12,	0
761	Influence of homeostatic mechanisms of bacterial growth and division on structural properties of microcolonies: A computer simulation study. 2022 , 106,	O
760	The Critical Role of RNA m6A Methylation in Gliomas: Targeting the Hallmarks of Cancer.	О
759	Hawking radiation from acoustic black holes in hydrodynamic flow of electrons. 2022, 139, 60003	1
758	Response of the plant core microbiome to Fusarium oxysporum infection and identification of the pathobiome.	1
757	NISQ computing: where are we and where do we go?. 2022 , 32,	2
756	De novo design of allochroic zwitterions. 2022 ,	4
755	Hydrogen production from the air. 2022 , 13,	5
755 754	Hydrogen production from the air. 2022, 13, Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022, 13,	5 4
	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and	
754	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022 , 13,	4
754 753	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022 , 13, Biopolymer Filament Entanglement Softens Then Hardens with Shear. 2022 , 129,	4 0
754 753 752	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022, 13, Biopolymer Filament Entanglement Softens Then Hardens with Shear. 2022, 129, Quantum Optimal Control: Practical Aspects and Diverse Methods.	4 0
754 753 752 751	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022, 13, Biopolymer Filament Entanglement Softens Then Hardens with Shear. 2022, 129, Quantum Optimal Control: Practical Aspects and Diverse Methods. The mutational signatures of formalin fixation on the human genome. 2022, 13,	4 O O
754 753 752 751 750	Tri-explosophoric groups driven fused energetic heterocycles featuring superior energetic and safety performances outperforms HMX. 2022, 13, Biopolymer Filament Entanglement Softens Then Hardens with Shear. 2022, 129, Quantum Optimal Control: Practical Aspects and Diverse Methods. The mutational signatures of formalin fixation on the human genome. 2022, 13, Probing the quantum noise of the spinon Fermi surface with NV centers. 2022, 106,	4 0 0

746	Wintertime marine extreme temperature events modulate phytoplankton blooms in the North Pacific through subtropical mode water. 2022 , 17, 094040	O
745	Droplet microfluidics forward for tracing target cells at single-cell transcriptome resolution.	O
744	Magnetocaloric properties and Griffiths phase of ferrimagnetic cobaltite CaBaCo $4\mathrm{O}7$.	О
743	Exosome application in treatment and diagnosis of B-cell disorders: leukemias, multiple sclerosis, and arthritis rheumatoid. 2022 , 27,	1
742	Wavelength and Stacking Order Dependent Exciton Dynamics in Bulk ReS 2. 2201322	1
741	Strain engineering in alloy nanoparticles. 2023 , 8,	1
740	Artificial Intelligence-Aided Low Cost and Flexible Graphene Oxide-Based Paper Sensor for Ultraviolet and Sunlight Monitoring. 2022 , 17,	0
739	Ultrafine nanoporous intermetallic catalysts by high-temperature liquid metal dealloying for electrochemical hydrogen production. 2022 , 13,	5
738	Substrate multiplexed protein engineering facilitates promiscuous biocatalytic synthesis. 2022, 13,	О
737	Evaluating the Effects of Educational Multimedia Design Principles on Cognitive Load Using EEG Signal Analysis.	O
736	Three-dimensional genome organization in immune cell fate and function.	2
735	Graphdiyne-Based Nanofilms for Compliant On-Skin Sensing.	O
734	Culexarchaeia, a novel archaeal class of anaerobic generalists inhabiting geothermal environments. 2022 , 2,	0
733	Reconfigurable Compute-In-Memory on Field-Programmable Ferroelectric Diodes. 2022 , 22, 7690-7698	1
732	Palaeobiological inferences for the South American dicraeosaurid Brachytrachelopan mesai (Dinosauria; Sauropoda) based on bone histology of the holotype. 1-10	0
731	Chiral active matter. 2022 , 139, 67001	0
730	Enhancing the efficiency of graphene-based THz modulator by optimizing the Brewster angle. 2022 , 30, 38095	O
729	On-chip ultracompact multimode vortex beam emitter based on vertical modes. 2022 , 30, 36863	1

728	Breathless through Time: Oxygen and Animals across Earth History. 000-000	О
727	2Gs and plant architecture: breaking grain yield ceiling through breeding approaches for next wave of revolution in rice (Oryza sativa L.). 1-24	O
726	Self-repairing interphase reconstructed in each cycle for highly reversible aqueous zinc batteries. 2022 , 13,	2
725	Ammonia Abatement via Selective Oxidation over Electron-Deficient Copper Catalysts. 2022 , 56, 14008-14	0181
724	Hybrid Dimensional MXene/CNC Framework-Regulated Nanofiltration Membrane with High Separation Performance.	О
723	Multimodal single cell sequencing implicates chromatin accessibility and genetic background in diabetic kidney disease progression. 2022 , 13,	O
722	Recent Advances in Silver nanozymes: Concept, Mechanism, and Applications in Detection. 2200928	0
721	Emergence of cubic ordered full-plane persistent spin textures in lead-free materials. 2022, 6,	1
720	Recent Trends in Photocatalytic Enantioselective Reactions. 2022, 380,	0
719	Efficient Room-Temperature Phosphorescence of 1D OrganicIhorganic Hybrid Metal Halides. 2200110	2
718	Hybrid Integrated Dual-Microcomb Source. 2022 , 18,	0
717	TiO2-supported Single-atom Catalysts: Synthesis, Structure, and Application.	1
716	Physical activity partly mediates the association between cognitive function and depressive symptoms. 2022 , 12,	0
715	Multi-objective optimization of thermal expansion and adjustable band gap for a chiral triangular lattice metamaterial.	O
714	Functional validation of CYP304A1 associated with haedoxan A detoxification in Aedes albopictus by RNAi and transgenic Drosophila.	1
713	Cell competition in development, homeostasis and cancer.	O
712	Genomic insights into rapid speciation within the world largest tree genus Syzygium. 2022, 13,	O
711	Integrating Micro and Nano Technologies for Cell Engineering and Analysis: Toward the Next Generation of Cell Therapy Workflows.	O

710	Browning of the white adipose tissue regulation: new insights into nutritional and metabolic relevance in health and diseases. 2022 , 19,	3
709	Impact of the Pacific sector sea ice loss on the sudden stratospheric warming characteristics. 2022 , 5,	О
708	Routeview: an intelligent route planning system for ships sailing through Arctic ice zones based on big Earth data. 2022 , 15, 1588-1613	1
707	microRNA-200c overexpression in cancer-associated fibroblasts reduces the invasive properties of breast tumour cells. 2022 , 2,	O
706	Plasmon-enhanced rotational dynamics of anisotropic core-shell polymeric-metallic microparticles.	О
705	MetaNOR: A meta-learnt nonlocal operator regression approach for metamaterial modeling.	O
704	One-pot synthesis, antimicrobial activities, and drug-likeness analysis of some novel 1,2-benzoxaphosphinines, phospholobenzofuran, and chromonyl/coumarinyl/indenonyl phosphonate. 1-14	1
703	Recent advances in bulk-heterojunction solar cells: A Review.	1
702	High-Efficient Ultrathin PdCuMo Porous Nanosheets with Abundant Defects for Oxygen Reduction Reaction.	O
701	First-principles study of optoelectronic and thermoelectronic properties of the ScAgC half-Heusler compound. 2022 , 97, 105711	O
700	Design of active network filters as hysteretic sensors.	O
699	Fabrication of a biological metalBrganic framework based superhydrophobic textile fabric for efficient oil/water separation. 2022 , 12,	O
698	Review of in situ and real-time monitoring of metal additive manufacturing based on image processing.	O
697	Charge carrier dynamics in 2D materials probed by ultrafast THzspectroscopy. 2023 , 8,	O
696	CRISPR/Cas System Toward the Development of Next-Generation Recombinant Vaccines: Current Scenario and Future Prospects.	1
695	Mo2Cl quasi-sphere architecture for the flexible sensor in the movement monitor. 2022 , 33, 22007-22016	O
694	Neuromorphic device based on silicon nanosheets. 2022 , 13,	1
693	Observation-based trajectory of future sea level for the coastal United States tracks near high-end model projections. 2022 , 3,	O

692	Multifunctional-high resolution imaging plate based on hydrophilic graphene for digital pathology. 2022 , 33, 505101	O
691	Metallic Catalysts for Oxidative Dehydrogenation of Propane Using CO2.	О
690	The Facile Implementing Ternary Resistive Memory in Graphite-like Melamine-Cyanuric Acid Hydrogen-Bonded Organic Framework with High Ternary Yield and Environmental Tolerance. 2022 , 155161	0
689	Revealing performance of 78Li2S-22P2S5 glass ceramic based solid-state batteries at different operating temperatures. 2022 , 107859	1
688	Gold island-enhanced multiplex quantum dots fluorescent system for biomedical analysis of circulating tumor nucleic acids.	О
687	The role of macrophage subtypes and exosomes in immunomodulation. 2022 , 27,	4
686	Functional catalytic nanoparticles (nanozymes) for sensing. 2022 , 114768	3
685	Enhancing the stability of planar perovskite solar cells by green and inexpensive cellulose acetate butyrate. 2022 ,	1
684	Periodical propagation of torsion in polymer gels. 2022 , 12,	0
683	Development of catalyst-free carbon-sulfur bond formation reactions under aqueous media and their applications. 2022 ,	1
682	Keratinocyte Growth Factor Stimulates Growth of p75+ Neural Crest Lineage Cells During Middle Ear Cholesteatoma Formation in Mice. 2022 ,	O
681	Unusually high corrosion resistance in Mo CrNiCo medium entropy alloy enhanced by acidity in aqueous solution. 2022 ,	O
680	A Review of Mechanics-Based Mesoscopic Membrane Remodeling Methods: Capturing Both the Physics and the Chemical Diversity.	0
679	Silver alkynyl coordination chains and clusters assembled with sulfonates. 2022 , 116160	1
678	Probing non-Markovian quantum dynamics with data-driven analysis: Beyond B lack-box□ machine-learning models. 2022 , 4,	0
677	Hierarchically Porous Films Architectured by Self-Assembly of Prolamins at the Air⊡iquid Interface.	O
676	Genomics-Guided Efficient Identification of 2,5-Diketopiperazine Derivatives from Actinobacteria.	0
675	A Nanoneedle Ni 12 P 5 Array for Hydrogen Evolution Reaction with High Efficiency over a Wide pH Range. 2022 , 7,	О

674	Mechanically tunable metasurface with large gamut of color: Lateral hybrid system. 2022, 132, 133102	O
673	Physiological properties and genomic insights into the plant growth [promoting rhizobacterium Brevibacillus laterosporus K75 isolated from maize rhizosphere.	O
672	Highly birefringent polarization maintaining low-loss single-mode hollow-core antiresonant fiber. 2022 , 1, 2167	0
671	Heat-resistant and low sensitivity energetic material constructed with [1,2,4]triazolo[4,3-a]pyridine framework.	O
670	Facile synthesized acetamidine thiocyanate with synergistic passivation and crystallization for efficient perovskite solar cells.	1
669	Self-organization of an inhomogeneous memristive hardware for sequence learning. 2022, 13,	O
668	Schemas provide a scaffold for neocortical integration of new memories over time. 2022, 13,	1
667	Smart nanomaterials as the foundation of a combination approach for efficient cancer theranostics. 2022 , 26, 101182	4
666	Constructing Cu1-Ti dual sites for highly efficient photocatalytic hydrogen evolution. 2022 , 103, 107853	2
665	Defect engineering in antimony selenide thin film solar cells.	1
664	A Novel AIEgen Photosensitizer with Elevating Intersystem Crossing Rate for Tumor Precise Imaging and Therapy.	0
663		0
,	Imaging and Therapy.	
663	Imaging and Therapy. Side-chain torsional dynamics strongly influence charge transport in organic semiconductors.	1
663	Imaging and Therapy. Side-chain torsional dynamics strongly influence charge transport in organic semiconductors. Spectroscopic Techniques for Multiferroic Materials. 2022, 629-657	0
663 662 661	Imaging and Therapy. Side-chain torsional dynamics strongly influence charge transport in organic semiconductors. Spectroscopic Techniques for Multiferroic Materials. 2022, 629-657 Two-dimensional materials for photoelectrochemical water splitting.	0
663 662 661 660	Imaging and Therapy. Side-chain torsional dynamics strongly influence charge transport in organic semiconductors. Spectroscopic Techniques for Multiferroic Materials. 2022, 629-657 Two-dimensional materials for photoelectrochemical water splitting. Hydrogen bond networks in gas-phase complex anions. 2022, 12, 29137-29142 An optical strategy for detecting hypochlorite in vitro and cells with high selectivity and stability	1 0 1

656	Facet dependent electrochemical performance and electronic structure of LiCoO2 polyhedral particles revealed by microscopic resonant X-ray photoelectron spectroscopy.	0
655	Current state of copper-based bimetallic materials for electrochemical CO2 reduction: a review. 2022 , 12, 30056-30075	2
654	MoSSe/Hf(Zr)S2 heterostructures used for efficient Z-scheme photocatalytic water-splitting. 2022 , 24, 25287-25297	1
653	The expanding CRISPR toolbox for natural product discovery and engineering in filamentous fungi.	О
652	Can vehicle-to-grid facilitate the transition to low carbon energy systems?.	2
651	A comprehensive review on the applications of carbon-based nanostructures in wound healing: from antibacterial aspects to cell growth stimulation.	2
650	Symmetry-based classification of forces driving chromatin dynamics. 2022 , 18, 8134-8146	0
649	A strongly complexed solid polymer electrolyte enables a stable solid state high-voltage lithium metal battery.	3
648	Transition metal single atom embedded GaN monolayer surface for efficient and selective CO2 electroreduction.	0
647	Multiple configuration transitions of soft actuators under single external stimulus.	1
646	Nutritional Epigenetics: How Metabolism Epigenetically Controls Cellular Physiology, Gene Expression and Disease. 2022 , 239-267	1
645	Security labeling and optical information encryption enabled by laser-printed silicon Mie resonators.	O
644	van der Waals integration of mixed-dimensional CeO2@Bi heterostructure for high-performance self-powered photodetector with fast response speed.	1
643	Mapping short-range order at the nanoscale in metal®rganic framework and inorganic glass composites.	О
642	Harnessing the Power of Nanomaterials to Alleviate Tumor Hypoxia in Favor of Cancer Therapy. 2022 , 135-174	0
641	Compositing of MOFs with ceramic and nanoparticles for efficient and rapid adsorptive desalination of artificial seawater or NaCl solution. 2022 , 12, 29793-29804	О
640	A catalyst support for direct-ammonia solid-oxide fuel cell anodes based on lanthanum titanium oxynitride.	o
639	EDC-promoted one-step synthesis of Teriflunomide at industrial scale.	О

638	One step electrochemical fabrication of high performance Ni@Fe-doped Ni(oxy)hydroxide anode for practical alkaline water electrolysis.	1
637	The Role of Inflammasomes in the Pathogenesis of Neurodegenerative Diseases. 2022, 16, 271-282	0
636	Pulse-Picking Multimodal Nonlinear Optical Microscopy.	O
635	Fractalized magnon transport on a quasicrystal with enhanced stability. 2022, 106,	O
634	Highly flexible graphene-film-based rectenna for wireless energy harvesting.	O
633	Genetic model of the El Laco magnetite-apatite deposits by extrusion of iron-rich melt. 2022, 13,	О
632	PET imaging of self-assembled '18F-labelled Pd2L4' metallacages for anticancer drug delivery.	O
631	Tuning the many-body interactions in a helical Luttinger liquid. 2022 , 13,	O
630	Regeneratively Mode-locked Optoelectronic Oscillator.	О
629	Perovskite-based Photovoltaics for Artificial Indoor Light Harvesting: A Critical Review.	O
628	Autophagy: a game changer for plant development and crop improvement. 2022 , 256,	0
627	Ionic FeO(OH) Nanocrystal Stabilized by Small Isopolymolybdate Clusters as Reactive Core for Water Oxidation.	0
626	An Odyssey from High Entropy Alloys to Complex Concentrated Alloys. 2023 , 159-180	О
625	Spray Coating of Nanosilicate-Based Hydrogel on Concrete. 2201664	O
624	Multiple origins of lipid-based structural colors contribute to a gradient of fruit colors in Viburnum (Adoxaceae).	0
623	Realizing certainty in an uncertain future climate: modeling suitable areas for conserving wild Citrus species under different change scenarios in India. 2022 , 194,	O
622	Chill coma recovery of Ceratitis capitata adults across the Northern Hemisphere. 2022 , 12,	1
621	Contaminating transfection complexes can masquerade as small extracellular vesicles and impair their delivery of RNA. 2022 , 11,	1

620	Unraveling the Heterogeneity of Epoxy-amine Networks by Introducing Dynamic Covalent Bonds.	O
619	Dual interfacial engineering of a Chevrel phase electrode material for stable hydrogen evolution at 2500 mA cm [®] . 2022 , 13,	5
618	A Transmission Optimized LWIR Metalens.	O
617	TriazolMethanaminiumBillar[5]arene-Functionalized Single Nanochannel for Quantitative Analysis of Pyrophosphate in Water. 2022 , 94, 14889-14897	Ο
616	Failure pathways of perovskite solar cells in space. 2022 , 43, 100201	1
615	Random-access multi-focus manipulation through superpixel-encoding wavefront engineering. 2022 , 15, 112004	O
614	Structures and Applications of NIR-II AIEgens Containing Benzobisthiadiazole Derivatives.	O
613	Microorganisms in biological control strategies to manage microbial plant pathogens: a review. 2022 , 204,	О
612	Inverse design of anisotropic spinodoid materials with prescribed diffusivity. 2022, 12,	O
611	Materials discovery of ion-selective membranes using artificial intelligence. 2022 , 5,	O
610	Electrocatalytic Carbon Dioxide Reduction to Ethylene over Copper-based Catalytic Systems.	0
609	Basal bodies bend in response to ciliary forces.	О
608	Normalization and de-noising of single-cell Hi-C data with BandNorm and scVI-3D. 2022, 23,	O
607	An improved sparse identification of nonlinear dynamics with Akaike information criterion and group sparsity.	1
606	Advances in the Study of Hexokinase 2 (HK2) Inhibitors. 2022 , 23,	1
605	Preparation of multicolor microcapsules and their application in smart color-switching textiles. 0040517522	11320
604	Emergence of MXene and MXenePolymer Hybrid Membranes as Future- Environmental Remediation Strategies. 2203527	1
603	ReviewMagnetic Skyrmions in Chiral Ferromagnets: Electrical Transport Properties and Device Applications.	Ο

602	Toward High-Performance Quinoxaline Based Non-fullerene Small Molecule Acceptors for Organic Solar Cells.	0
601	Small Amphiphile-Based Coacervation.	O
600	Robust combined modeling of crystalline and amorphous silicon grain boundary conductance by machine learning. 2022 , 8,	О
599	Dual pore-size sieving in a novel oxygenate-pillared microporous adsorbent for C6 alkane isomers separation.	О
598	Mendelian randomization accounting for complex correlated horizontal pleiotropy while elucidating shared genetic etiology. 2022 , 13,	O
597	A robot-assisted acoustofluidic end effector. 2022 , 13,	1
596	Band gaps of halide perovskites from a Wannier-localized optimally tuned screened range-separated hybrid functional. 2022 , 6,	1
595	Obtaining Water from Air Using Porous Metal©rganic Frameworks (MOFs). 2022 , 380,	O
594	Tissue-Mimetic Supramolecular Polymer Networks for Bioelectronics. 2207634	0
593	N-doped carbon materials produced by CVD with the compounds derived from LDHs. 2022 , 57, 18298-18322	O
592	Advances in upconversion luminescence nanomaterial-based biosensor for virus diagnosis. 20210216	0
591	Atomically-precise Au24Ag1 Clusterzymes with Enhanced Peroxidase-like Activity for Bioanalysis.	O
590	Synthesized spatiotemporal mode-locking and photonic flywheel in multimode mesoresonators. 2022 , 13,	0
589	Selective Photocatalytic Reduction of CO2-to-CO in Water using a Polymeric Carbon Nitride Quantum Dot/Fe-Porphyrin Hybrid Assembly.	O
588	Bubbles Templated Interconnected Porous Metallic Materials: Synthesis, Surface Modification, and their Electrocatalytic Applications for Water Splitting and Alcohols Oxidation. 2022 , 7,	1
587	Pump-guided nonlinear film for phase conjugation. 2022 , 30, 42376	O
586	Correspondence between cognitive and neural representations for phonology, orthography, and semantics in supramarginal compared to angular gyrus.	0
585	Assessingin vivothe impact of gene context on transcription through DNA supercoiling.	O

584	New Folding 2D-Layered Nitro-Oxygenated Carbon Containing Ultra High-Loading Copper Single Atoms. 2204767	Ο
583	Tunable anomalous Hall and Nernst effects in MM⊠ compounds.	O
582	Nanoscale heterogeneity of ultrafast many-body carrier dynamics in triple cation perovskites. 2022 , 13,	0
581	Tunable electronic and magnetic phases in layered ruthenates: Strained SrRuO3BrTiO3 heterostructures. 2022 , 106,	O
580	Mid-infrared silicon photonic phase shifter based on microelectromechanical system. 2022 , 47, 5801	1
579	Computational study on the uptake of soft nanoparticles and nanoparticle cluster by cells. 2022 , 132, 174702	O
578	A Novel Polymer Negative Curvature Ring Core Fiberfor OAM Modes Guidance.	0
577	Application of CRISPR/Cas system in cereal improvement for biotic and abiotic stress tolerance. 2022 , 256,	0
576	Vacancy clustering electronic and transport properties of bilayer graphene nanoribbons.	0
575	Descending projections to the auditory midbrain: evolutionary considerations.	O
574	Advances in electrospun nanofibers for triboelectric nanogenerators. 2022, 104, 107884	5
573	Determination of the nanoparticle- and cell-specific toxicological mechanisms in 3D liver spheroids using scRNAseq analysis. 2022 , 47, 101652	O
572	Kinetic selectivity dictates the construction of cancer cell-targeting enzyme instructed supramolecular assemblies. 2022 , 47, 101658	0
57 ¹	Nanozymatic magnetic nanomixers for enzyme immobilization and multiplexed detection of metabolic disease biomarkers. 2023 , 219, 114795	1
570	First-principles prediction of the missed Pmmn phase for a GaTe monolayer as a new two-dimensional semiconductor. 2023 , 223, 115073	0
569	Accurate diagnosis of prostate cancer with CRISPR-based nucleic acid test strip by simultaneously identifying PCA3 and KLK3 genes. 2023 , 220, 114854	O
568	Metal organic frameworks and their composites as effective tools for sensing environmental hazards: An up to date tale of mechanism, current trends and future prospects. 2023 , 474, 214859	2
567	Ultra-Durable and Flexible Fibrous Mild Quasi-Solid-State Ag-Zn Battery with Na2SO4 Electrolyte Additive.	O

566	The effects of emerging contaminants on the behaviour of Acinetobacter calcoaceticus derived from biofilms.	O
565	Regulating the phase distribution of quasi-2D perovskites using a three-dimensional cyclic molecule toward improved light-emitting performance.	O
564	Oppositely Charged MXene Fibers as Highly Efficient Osmotic Power Generator from Sea and River Water.	O
563	Distinct breast milk microbiota, cytokine and adipokine profiles are associated with infant growth at 12 months: in vitro host-microbe interaction mechanistic approach.	O
562	Recent Advances in Responsive Antibacterial Materials: Design and Application Scenarios.	O
561	Role of solution concentration in formation kinetics of bromide perovskite thin films during spin-coating monitored by optical in situ metrology. 2022 , 12, 32765-32774	O
560	High performance and low cost organic solar cells based on pentacyclic A-DAD-A acceptor with efficiency over 16%.	O
559	Emergence of robust half-metallic spin gap and a sizeable magnetic anisotropy in electron-doped Ca2FeOsO6. 2023 , 294, 126946	O
558	Cutting-Edge Studies Toward Commercialization of Large Area Solution-Processed Perovskite Solar Cells. 2201387	O
557	Topological characteristics of gap closing points in nonlinear Weyl semimetals. 2022, 106,	O
556	Nanocatalysis for Renewable Aromatics. 2022 , 61-90	O
555	Quantum control of spin qubits using nanomagnets. 2022 , 5,	1
554	Current-Dependent Lithium Metal Growth Modes in Anode-Freeßolid-State Batteries at the Cu LLZO Interface. 2203174	1
553	Phase space analysis of nonlinear wave propagation in a bistable mechanical metamaterial with a defect. 2022 , 106,	O
552	General Doping Chemistry of Carbon Materials.	O
551	The opportunities and challenges of ionic liquids in perovskite solar cells. 2022,	O
550	Impaired mitochondrial oxidative metabolism in skeletal progenitor cells leads to musculoskeletal disintegration. 2022 , 13,	O
549	Roles that Organic Ammoniums Play on the Surface of the Perovskite Film: A Review.	O

548	The evolutionary landscape and expression pattern of plant lincRNAs. 2022, 19, 1190-1207	О
547	Attosecond Delays of High-Harmonic Emissions from Hydrogen Isotopes Measured by XUV Interferometer. 2022 , 2022, 1-6	1
546	Long-term monitoring projects of Brazilian marine and coastal ecosystems. 10, e14313	О
545	Recent progress in flexible Zn-ion hybrid supercapacitors: Fundamentals, fabrication designs, and applications.	O
544	Dopamine-inhibited POMCDrd2+ neurons in the ARC acutely regulate feeding and body temperature. 2022 , 7,	O
543	Schizophrenia-associated Mitotic Arrest Deficient-1 (MAD1) regulates the polarity of migrating neurons in the developing neocortex.	О
542	Stitching Perovskite Grains with Perhydropoly(silazane) Anti-template-agent for High-efficiency and Stable Solar Cells Fabricated in Ambient Air.	О
541	An Optically Transparent Graphene-based Cognitive Metasurface for Adaptive Frequency Manipulation.	O
540	Sol-gel-based porous Ti-doped tungsten oxide films for high-performance dual-band electrochromic smart windows. 2022 ,	1
539	Nonlocal quantum correlations in a bipartite quantum system coupled to a bosonic non-Markovian reservoir.	О
538	Insights into Chemical and Electrochemical Interactions between Zn Anode and Electrolytes in Aqueous Zn-Ion Batteries.	О
537	Crystallization of SrAl12O19 Nanocrystals from Amorphous Submicrometer Particles. 2022 , 126, 19336-19345	О
536	Anomalous Hall effect in topological Weyl and nodal-line semimetal Heusler compound Co2VAl. 2023 , 51, 035601	0
535	Profiling human pathogenic repeat expansion regions by synergistic and multi-level impacts on molecular connections.	O
534	Chiral Edge Current in Nematic Cell Monolayers. 2022 , 12,	0
533	Recent updates on triboelectric nanogenerator based advanced biomedical technologies: A short review. 2022 , 100782	O
532	How does changing substituents affect the hole transport characteristic of butterfly-shaped materials based on fluorenedithiophene core for perovskite photovoltaics. 2022 ,	0
531	Giant vortex dynamics in confined bacterial turbulence. 2022 , 106,	O

530	Characterization and expression analysis of basic leucine zipper (bZIP) transcription factors responsive to chilling injury in peach fruit.	1
529	Performance enhancement of Sb2Se3-based solar cell with hybrid buffer layer and MoSe2 as a hole transport material using simulator device. 2022 , 1,	O
528	Revisiting the early cretaceous sauropod agustinia ligabuei (Dinosauria: diplodocoidea) from southern neuquB basin (Patagonia, Argentina), with implications on the early evolution of rebbachisaurids. 1-27	О
527	Relativistic quantum thermometry through a moving sensor. 2022 , 169172	O
526	Imaging Stars with Quantum Error Correction. 2022 , 129,	О
525	p53-mediated metabolic response to low doses of ionizing radiation. 1-20	O
524	Dependence of Vaporization Enthalpy on Molecular Surfaces and Temperature: Thermodynamically Effective Molecular Surfaces. 2022 , 129,	1
523	From nanoparticles to crystals: one-pot programmable biosynthesis of photothermal gold structures and their use for biomedical applications. 2022 , 20,	O
522	A global high-density chromatin interaction network reveals functional long-range and trans-chromosomal relationships. 2022 , 23,	О
521	Final Rational Design and Engineering of Efficient Metal Organic Framework for Visible Light-driven Photocatalytic carbon-di-oxide Reduction. 2022 , 121287	O
520	Stable, reproducible, and binder-free gold/copper coreBhell nanostructures for high-sensitive non-enzymatic glucose detection. 2022 , 12,	О
519	A lineage tree-based hidden Markov model quantifies cellular heterogeneity and plasticity. 2022 , 5,	O
518	Experimental Absence of the Non-Perovskite Ground State Phases of MaPbI3 Explained by a Funnel Hopping Monte Carlo Study Based on a Neural Network Potential.	О
517	Review on Perovskite-Type Compound Using Machine Learning. 2022 , 14, 1001-1017	1
516	Marrying a Non-flammable Phosphate Solvent with Lithium Nitrate: Novel Electrolyte for Intrinsically Safe and High Performance Lithium Metal Batteries.	О
515	Exactly solving the Kitaev chain and generating Majorana-zero-modes out of noisy qubits. 2022 , 12,	O
514	Response of soil respiration to changes in soil temperature and water table level in drained and restored peatlands of the southeastern United States. 2022 , 17,	0
513	A self-gelling starch-based sponge for hemostasis.	O

512	Impact of social reward on the evolution of cooperation in voluntary prisoner∃ dilemma. 2023 , 223, 104821	O
511	Impact of indirect transitions on valley polarization in WS2 and WSe2. 2022 , 14, 17761-17769	O
510	Computational and Statistical Methods for Single-Cell RNA Sequencing Data. 2022, 3-35	O
509	Tunning the optical properties of a Photocatalytic Metal-Organic Framework by means of molecular modelling.	O
508	Rare-earth squarate frameworks with scu topology. 2022 , 51, 18378-18382	O
507	Optimizing the structure and performance of biomimetic water channels.	O
506	Monotonously Alloying-Driven Band Edge Emission in Two-Dimensional Hexagonal GaSe1-xTex Semiconductors for Visible to Near-Infrared Photodetection.	O
505	Microfluidic thermal flow sensor based on phase-change material with ultra-high thermal sensitivity.	O
504	Structurally diverse G-quadruplexes as the noncanonical nucleic acid drug target for live cell imaging and antibacterial study.	0
503	Growth of carbon dots in nanoporous silica glasses for highly enhanced dual-wavelength emission.	O
502	Roles of the self-reconstruction layer in the catalytic stability of a NiFeP catalyst during the oxygen evolution reaction. 2022 , 11, 276-286	1
501	Mucus-inspired organogel as an efficient absorbent and retention agent for volatile organic compounds. 2022 , 15, 101-108	O
500	Review on promising roles of alkali metals toward highly efficient perovskite light-emitting diodes.	O
499	Brownian motor inspired monodirectional continuous spinning triboelectric nanogenerators for extracting energy from irregular gentle water waves.	O
498	Epsilon-near-zero characteristics of near-field radiative heat transfer between EMoO3 slabs.	O
497	The race between complicated multiple cation/anion compositions and stabilization of FAPbI3 for halide perovskite solar cells.	O
496	Boosting organic room-temperature phosphorescence performance through joint luminescence sensitization. 2022 , 11, 113-117	O
495	Tumor-targeted Molybdenum Disulfide@Barium Titanate Core-Shell Nanomedicine for Dual Photothermal and Chemotherapy of Triple-Negative Breast Cancer Cells.	1

494	Balance of photon management and charge collection from carbon-quantum-dot layers as self-powered and broadband photodetectors.	O
493	Cobalt-induced highly-electroactive Li2S heterostructured cathode for Li-S batteries. 2023 , 439, 141652	1
492	Natural products of pentacyclic triterpenoids: from discovery to heterologous biosynthesis.	1
491	NiO and CrOx interaction promoting in situ generation of the coordinatively unsaturated CrD acidBase for oxygen-lean propane dehydrogenation.	O
490	Giant thermal switching in ferromagnetic VSe2 with programmable switching temperature.	O
489	Connecting the dots for fundamental understanding of structurephotophysicsproperty relationships of COFs, MOFs, and perovskites using a Multiparticle Holstein Formalism.	O
488	Thermal diffusion of ionic species in charged nanochannels. 2022 , 15, 215-229	O
487	Threshold Switching in Nickle-Doped Zinc Oxide Based Memristor for Artificial Sensory Applications.	O
486	Copper-based Catalysts for the Electrochemical Reduction of Carbon Dioxide: Progress and Future Prospects.	О
485	Smart data processing for energy harvesting systems using artificial intelligence. 2023 , 106, 108084	1
484	A triple-functional carbon molecular sieve (CMS) that addresses the performance trilemma in practical lithium sulfur batteries. 2023 , 203, 856-864	O
483	Long-lifespan layered Strontium vanadate for high-performance zinc-ion battery: Ultralow migration barrier of Zn2+ on the surface and the effect of pH value. 2023 , 318, 123788	O
482	Amorphous carbon and carbon nanotubes synergistically reinforced with MnO2 as a cathode material for zinc-ion batteries. 2023 , 132, 109615	O
481	Framework structure engineering of polymeric carbon nitrides and its recent applications. 2023 , 133, 101056	1
480	Theoretical and experimental photocatalytic implications of Co ions upon the SrTiO3 lattice. 2023 , 567, 111772	O
479	Investigating the Local Structure of Ti Based MXene Materials by Temperature Dependent X-Ray Absorption Spectroscopy.	O
478	Chapter 14. Plasmonic Photoreactors for Photocatalytic CO2 Conversion. 2022, 308-331	O
477	Pyrogallol, Corilagin and Chebulagic acid target the fluzzy coatlof alpha-synuclein to inhibit the fibrillization of the protein. 2022 , 12, 35770-35777	O

476	Solution-processed 2D materials on paper substrates for photodetection and photomechanical applications. 2022 , 10, 18326-18335	0
475	Rapid high-contrast reversible coloration of Ba3MgSi2O8:Pr3+ photochromic materials for rewritable light-printing. 2022 , 10, 18375-18384	1
474	Chemical approaches for electronic doping in photovoltaic materials beyond crystalline silicon. 2022 , 51, 10016-10063	0
473	The Effect of Harvest on Forest Soil N2O Fluxes: A Review. 2022 ,	О
472	Accelerated discovery of defect tolerant organo-halide perovskites. 2022 , 10, 18385-18392	0
471	Modulating the electronic structure of ternary transition metal phosphide for enhanced hydrogen evolution activity. 2022 , 51, 18722-18733	О
470	Dual-mode vehicles with simultaneous thermometry and drug release properties based on hollow Y2O3:Er,Yb and Y2O2SO4:Er,Yb spheres. 2022 , 12, 33239-33250	0
469	Looking at Mountains: Role of Sustained Hypoxia in Regulating Bone Mineral Homeostasis in Relation to Wnt Pathway and Estrogen.	О
468	Feather function and the evolution of birds.	1
467	(INVITED) Roadmap on perovskite nanophotonics. 2022 , 100214	О
466	Planar metasurface-based concentrators for solar energy harvest: from theory to engineering. 2022 , 3,	1
465	Mediating oxidative stress enhances Honone biosynthesis and strain robustness during process scaling up. 2022 , 21,	O
464	In situ Synthesis of Ultrasmall Au Clusters on Thiol-modified CeO2 with Enhanced Stability and CO Oxidation Activity.	0
463	Emergence of zero-field non-synthetic single and interchained antiferromagnetic skyrmions in thin films. 2022 , 13,	O
462	GSK3 inhibition reverts mesenchymal transition in human primary corneal endothelial cells.	0
461	Optimal decision making, using interval uncertainty techniques, of a production-inventory model under warranty-linked demand and carbon tax regulations.	O
460	QTL Detection for Rice Grain Length and Fine Mapping of a Novel Locus qGL6.1. 2022 , 15,	0
459	Inverse forgetting in unconscious episodic memory. 2022 , 12,	o

458	Pyrazole Derivative Containing Naphthalene Moiety: Cytotoxocity (Breast and Cervical Cancer), Antibacterial and Antifungal Studies Using Experimental and Theoretical Tools. 1-18	О
457	Spatially resolved proteomics via tissue expansion. 2022 , 13,	1
456	DNA barcodes reveal the hidden arthropod diversity in a threatened cactus forest of the central Andes.	0
455	Current Status of Natural Products/siRNA Co-Delivery for Cancer Therapy. 2022 , 7,	O
454	Unraveling the Gas-Sensing Mechanisms of Lead-Free Perovskites Supported on Graphene. 2022 , 7, 3753-376	32
453	Self-therapeutic nanomaterials: Applications in biology and medicine. 2022,	Ο
452	Extensive androgen receptor enhancer heterogeneity in primary prostate cancers underlies transcriptional diversity and metastatic potential. 2022 , 13,	2
451	Fragmentation of outage clusters during the recovery of power distribution grids. 2022, 13,	Ο
450	A novel bimetallic RuFe nanocluster to enable highly efficient oxygen reduction in zinc-air batteries. 2022 ,	0
449	Topological Hall Effect Anisotropy in Kagome Bilayer Metal Fe3Sn2. 2022 , 129,	Ο
448	Leveraging data-driven self-consistency for high-fidelity gene expression recovery. 2022, 13,	0
447	Enhancing the Performance of N-Type Thermoelectric Devices via Tuning the Crystallinity of Small Molecule Semiconductors. 2204872	Ο
446	Interface challenges and optimization strategies for aqueous zinc-ion batteries. 2022,	1
445	Antibacterial Nanozymes: An Emerging Innovative Approach to Oral Health Management. 2022 , 65, 2021-203	20
444	Comprehensive investigation of the extremely low lattice thermal conductivity and thermoelectric properties of BaIn2Te4. 2022 , 106,	1
443	Insights on Anti-corrosion Coating of Magnesium Alloy: A Review. 2023 , 9,	O
442	A topological nonlinear parametric amplifier. 2022 , 13,	1
441	Ultra-hydrophilic nanofiltration membranes fabricated via punching in the HTO nanosheets. 2023 , 6,	O

440	Incorporating Pd into Cu-Coordinated Metal-Organic Frameworks to Promote N 2 Electrochemical Reduction into Ammonia. 2022 , 14,	Ο
439	Engineering the Enzyme Toolbox to Tailor Glycosylation in Small Molecule Natural Products and Protein Biologics.	O
438	Overcoming the Domain Gap in Neural Action Representations.	0
437	Raspberry-Like Gold Nanoparticles Based On Nanoclusters Anchored on Cyclodextrin-Functionalized Nanoparticles: Synthesis and Ultrasensitive Electrochemical Detection of Chromium(VI) Ions. 2022 , 87,	Ο
436	Distinct mechanisms mediating therapy-induced cellular senescence in prostate cancer. 2022 , 12,	O
435	In situ preparation of Ni(OH)2/CoNi2S4/NF composite as efficient electrocatalyst for hydrogen evolution reaction.	Ο
434	Cockroaches: a potential source of novel bioactive molecule(s) for the benefit of human health.	O
433	Increasing freshwater supply to sustainably address global water security at scale. 2022 , 12,	O
432	Adipose-targeted triiodothyronine therapy counteracts obesity-related metabolic complications and atherosclerosis with negligible side effects. 2022 , 13,	0
431	The pathological solidification of FUS-RNA condensates is inhibited by performing a protein domain reconstruction in FUS.	O
430	Q-learning-based migration leading to spontaneous emergence of segregation.	O
429	Divergent Functionalization of Styrenes via Radical/Polar Crossover with CO2´and Sodium Sulfinates.	Ο
428	Design, synthesis and bioassay of the emerging photo-responsive fungicides. 2022, 108064	O
427	Euchromatin Activity Enhances Segregation and Compaction of Heterochromatin in the Cell Nucleus. 2022 , 12,	O
426	Electrochemically Induced Borate Allotropes for Expedite Charge Transfer in Lithium-Ion Batteries and Hydroxyl Ion Capture Activity in Flexible Pseudocapacitor.	O
425	Effect of filuorophenylammoniumland filuorophenethylammoniumlas Spacer on the Photo(electro)chemical and Photocatalytic Behaviour of Mixed Halide Based Layered Perovskites. 2022 , 7,	O
424	Molybdenum-Based Catalytic Materials for Liß Batteries: Strategies, Mechanisms, and Prospects. 2200145	O
423	Band valley flattening and exciton appearance/disappearance under isotropic strain in monolayer WS2. 2022 , 137,	Ο

422	Near-unity efficiency in ridge waveguide-based, on-chip single-photon sources. 2022 , 2, 045004	0
421	Electrosynthesis of Low Pt-Loaded High Entropy Catalysts for Effective Hydrogen Evolution with Improved Acidic Durability. 2200882	O
420	Analysis of dephasing time of plasmonic hybridization modes using a quasi-normal mode method. 2023 , 40, 178	0
419	Clinical potential of PD-1/PD-L1 blockade therapy for renal cell carcinoma (RCC): a rapidly evolving strategy. 2022 , 22,	2
418	Eruption chronology of the December 2021 to January 2022 Hunga Tonga-Hunga Hallpai eruption sequence. 2022 , 3,	1
417	WATLAS: high-throughput and real-time tracking of many small birds in the Dutch Wadden Sea. 2022 , 10,	O
416	Organic Compound as a Cathode for Aqueous Zinc-Ion Batteries with Improved Electrochemical Performance via Multiple Active Centers. 2022 , 5, 15780-15787	0
415	Organocatalytic Ring-Opening Polymerization of ?-Caprolactone with Phosphoramidimidates (PADIs) as a Bifunctional Brfisted Acid Catalyst.	O
414	Intrinsic anomalous Hall conductivity and real space Berry curvature induced topological Hall effect in Ni2MnGa magnetic shape memory alloy. 2023 , 56, 044004	0
413	Investigation of the effects of eco-friendly MQL system to improve the mechanical performance of WE43 magnesium alloys by the burnishing process. 2023 , 45,	1
412	Giant longitudinal spin Hall effect for elliptically polarized light under surface plasmon resonance. 2023 , 25, 025401	O
411	Reversible Solid-Liquid Conversion Enabled by Self-Capture Effect for Stable Non-flow Zinc-Bromine Batteries. 2022 ,	О
410	Plasmonic Copper activated ZnO Microarrays for Efficient Photoelectrocatalytic Applications.	О
409	Reference panel guided topological structure annotation of Hi-C data. 2022 , 13,	О
408	Odorless, Transition-Metal-Free N -Sulfenylation of Sulfoximines with Thiosulfonates under Mild Conditions. 2022 , 2022,	1
407	Nascent peptide-induced translation discontinuation in eukaryotes impacts biased amino acid usage in proteomes. 2022 , 13,	O
406	DecadalDentennial-scale solar-linked climate variations and millennial-scale internal oscillations during the Early Cretaceous. 2022 , 12,	0
405	Bioprocessing of recombinant proteins from Escherichia coli inclusion bodies: insights from structure-function relationship for novel applications. 1-25	O

404	In situ X-ray absorption spectroscopy in homogeneous conditions reveals interactions between CO2 and a doubly and triply reduced iron(III) porphyrin, then leading to catalysis.	O
403	Comparative Study of PEDOT- and PEDOT:PSS Modified EMnO2 Cathodes for Aqueous Zinc Batteries with Enhanced Properties.	1
402	ReviewElectrodes Derived From Conducting Polymers and their Composites for Catalytic Conversion of Carbon Dioxide. 2022 , 169, 124509	0
401	Quantifying the role of transcript levels in mediating DNA methylation effects on complex traits and diseases. 2022 , 13,	1
400	Genome-wide differential DNA methylation analysis of MDA-MB-231 breast cancer cells treated with curcumin derivatives, ST08 and ST09. 2022 , 23,	0
399	High-Time-Resolution Microspectrometer Based on Phase-Change Materials. 2022, 18,	O
398	Structural Properties Covalent Organic Frameworks (COFs): From Dynamic Covalent Bonds to their Applications. 2022 , 7,	0
397	Two-Dimensional MXenes for Energy Storage: Computational and Experimental Approaches. 2022 , 7,	O
396	Simultaneously Stretchable and Compressible Flexible Strain Sensors Based on Carbon Nanotube Composites for Motion Monitoring and Human Computer Interactions. 2022 , 5, 18427-18437	O
395	Impact of Binders on Self-Discharge in Graphite Dual-Ion Batteries. 2022 , 107424	O
394	Photoinduced Efragmentation of aliphatic alcohol derivatives for forging CfI bonds. 2022, 13,	0
393	Fabrication of high-quality CsPbI3 perovskite films via phosphorus pentachloride additive.	O
392	Topological and Optical Properties of Passeriformes Feathers: Biological UV Reflector Antenna. 2022 , 3, 462-472	0
391	Bridging finite element and deep learning: High-resolution stress distribution prediction in structural components.	0
390	Implementation of a holonomic 3-qubit gate using Rydberg superatoms in a microwave cavity. 2022 , 137,	O
389	Total enzymatic synthesis of cis-⊞rone from a simple carbon source. 2022 , 13,	0
388	Using Silk-derived Magnetic Carbon Nanocomposites as Highly Efficient Nanozymes and Electromagnetic Absorbing Agents. 2022 , 108084	0
387	Crystallization Tailoring for Efficient and Stable Perovskite Solar Cells Via Introduction of Propionic Acid in a Green Anti-Solvent.	O

386	Elevating the resistive memory from binary to ternary by introducing trialkyl phosphorus into binaphthol/ferrocene cores in their polystyrene composites. 2022 , 33, 105026	O
385	Generation of Circularly Polarized High Harmonics with Identical Helicity in Two-Dimensional Materials. 2022 , 18,	O
384	Gate-tunable bolometer based on strongly coupled graphene mechanical resonators. 2023, 48, 81	O
383	Optical switching a photon-avalanche-like in NdAl3(BO3)4 particles excited at 1064 nm by an auxiliary beam at 808 nm.	1
382	Edge states of Bismuthene nanostructures. 2023 , 10, 015020	O
381	Phase transformation of VO2/rGO composites as high-voltage cathodes in zinc-ion batteries.	Ο
380	Effect of Organic Chloride Additives on the Photovoltaic Performance of MA-Free Cs 0.1 FA 0.9 PbI 3 Perovskite Solar Cells. 2200950	О
379	In situ generated Cu(I) catalytic system for oxidative N-formylation of N-heterocycles and normal amines with methanol.	O
378	Dehydroxylation-assisted self-crosslinking of MXene-based pervaporation membranes for treating high-salinity water. 2022 ,	O
377	Synthetic Multienzyme Assemblies for Natural Product Biosynthesis.	O
376	Near infrared band responsive ROS regulator selectively inhibits breast cancer cells by programming combination phototherapy.	О
375	Stability and Efficiency Improvement of Perovskite Solar Cells by Surface Hydroxyl Defect Passivation of SnO2 Layer with 4-Fluorothiophenol.	Ο
374	Synchronizing network systems in the presence of limited resources via edge snapping. 2023 , 33, 013123	O
373	Sodium Alginate Based Skin-Core Fibers with Profoundly Enhanced Moisture-Electric Generation Performance and their Multifunctionality.	O
372	In situ crystal reconstruction strategy based highly efficient air-processed inorganic CsPbI2Br perovskite photovoltaics for indoor, outdoor, and switching applications.	O
371	Electricity-Wettability Controlled Fast Transmission of Dopamine in Nanochannels. 2205488	Ο
370	Meteorites and the RNA World: Synthesis of Nucleobases in Carbonaceous Planetesimals and the Role of Initial Volatile Content. 2023 , 942, 50	0
369	On the Configuration of Graphene/Carbon Nanotube/Graphene Van der Waals Heterostructure.	O

368	Record-high Work-function p-Type CuBiP 2 Se 6 Atomic Layers for High-photoresponse van der Waals Vertical Heterostructure Phototransistor. 2209995	O
367	Metal and metal oxide electrocatalysts for the electrochemical reduction of CO2-to-C1 chemicals: are we there yet?. 2023 , 16,	O
366	Adjustable volume and loading release of shape memory polymer microcapsules. 1-13	0
365	Multicomponent Equimolar Proton-Conducting Quadruple Hexagonal Perovskite-Related Oxide.	O
364	Carborane-thiol protected copper nanoclusters: Stimuli-responsive materials with tunable phosphorescence.	0
363	Identification of resistance to Pratylenchus thornei, P. neglectus, P. penetrans and Ditylenchus dipsaci in Turkish accessions of five wild chickpea species (Cicer bijugum, C. echinospermum, C. pinnatifidum, C. reticulatum and C. turcicum).	1
362	On The Efficacy of Cobalt Boride Coating on NMC-811 Cathode Under Vinylene Carbonate Additive, High Temperature and Air Shelving Conditions. 2023 , 170, 010519	0
361	An update on CRISPR-Cas12 as a versatile tool in genome editing.	O
360	Geminiviral C2 proteins inhibit active autophagy to facilitate virus infection by impairing the interaction of ATG7 and ATG8.	О
359	Near-field circular dichroism of single molecules. 2023 , 31, 3415	1
358	Microporous metalorganic frameworks for the purification of propylene.	1
357	Optimal delivery strategies for nanoparticle-mediated mRNA delivery.	0
356	Influence of Support Material on the Structural Evolution of Copper during Electrochemical CO 2 Reduction.	О
355	Failure mechanism of LiNi0.6Co0.2Mn0.2O2 cathodes in aqueous/non-aqueous hybrid electrolyte.	O
354	Lung and Gut Microbiota Interactions with Air Pollution and Aging in Human Chronic Diseases. 2023 , 215-236	0
353	E-liquid exposure induces bladder cancer cells to release extracellular vesicles that promote non-malignant urothelial cell transformation. 2023 , 13,	O
352	Enhanced field emission stability of vertically aligned carbon nanotubes through anchoring for X-ray imaging applications.	0
351	Efficient Electrochemical Reduction of CO 2 on g-C 3 N 4 Monolayer-supported Metal Trimer Catalysts: A DFT Study.	O

350	Identification and comparison of m6A modifications in glioblastoma non-coding RNAs with MeRIP-seq and Nanopore dRNA-seq. 1-14	Ο
349	How keratin cortex thickness affects iridescent feather colours. 2023 , 10,	0
348	Optical Physical Mechanisms of Helicene Carbon Nanohoop with MBius Topology.	0
347	Mesoporous ZnO nanoparticles using gelatin IPluronic F127 as a double colloidal system for methylene blue photodegradation. 2023 , 40, 112-123	O
346	Nitrogen/oxygen/sulfur tri-doped hard carbon nanospheres derived from waste tires with high sodium and potassium anodic performances.	0
345	Optofluidic imaging meets deep learning: from merging to emerging.	0
344	Post Cobalt Doping and Defect Engineering of NbSSe for Efficient Hydrogen Evolution Reaction.	0
343	Study on adsorption of hexavalent chromium by composite material prepared from iron-based solid wastes. 2023 , 13,	Ο
342	Malformation in coccolithophores in low pH waters: evidences from the eastern Arabian Sea.	0
341	Artificially Selected Grain Shape Gene Combinations in Guangdong Simiao Varieties of Rice (Oryza sativa L.). 2023 , 16,	O
340	Bearing Fruit: Miocene Apes and Rosaceous Fruit Evolution.	0
339	High-Capacity Sulfide All-Solid-State Lithium battery with Conversion-type Iron Fluoride Cathode.	0
338	A Bayesian model for unsupervised detection of RNA splicing based subtypes in cancers. 2023, 14,	0
337	Recent progress in the development of nanomaterials targeting multiple cancer metabolic pathways: a review of mechanistic approaches for cancer treatment. 2023 , 30, 1-18	2
336	Cell Migration in Three Dimensions. 2023 , 1-14	0
335	Biliary epithelial cells are facultative liver stem cells during liver regeneration in adult zebrafish. 2023 , 8,	O
334	Tuneable Cell-Laden Double-Emulsion Droplets for Enhanced Signal Detection.	O
333	Helmholtz resonator-based acoustic metamaterials enabling broadband asymmetric sound absorption and ventilation. 146134842311512	1

332	Bidirectional Atomic Iron Catalysis of Sulfur Redox Conversion in High-Energy Flexible Zn?S Battery. 2210899	О
331	A review on development of metalBrganic framework-derived bifunctional electrocatalysts for oxygen electrodes in metalBir batteries. 2023 , 13, 1137-1161	1
330	Prospects of carbon capture, utilization and storage for mitigating climate change.	О
329	Non-Abelian symmetry can increase entanglement entropy. 2023 , 107,	О
328	Effects of 2D filler on rheology of additive manufacturing polymers: Simulation and experiment on polyetherketoneketone -mica composites. 2023 , 125722	О
327	CO2 utilization in syngas conversion to dimethyl ether and aromatics: roles and challenges of zeolites-based catalysts. 2023 ,	O
326	Supreme-black levels enabled by touchproof microcavity surface texture on anti-backscatter matrix. 2023 , 9,	О
325	The adjacent Fe oxidation greatly enhancing OER activity on the Ni active site: S plays the role in optimizing local coordination and electronic structure. 2023 , 27, 101330	О
324	A metal-free all-organic ammonium-ion battery with low-temperature applications.	О
323	Predicting efficacy of drug-carrier nanoparticle designs for cancer treatment: a machine learning-based solution. 2023 , 13,	О
322	The enhanced electrical energy storage properties of (Bi0.5Na0.5)TiO3BaTiO3/graphene oxide heterogeneous structures. 2023 , 34,	0
321	The fecal and oropharyngeal eukaryotic viromes of healthy infants during the first year of life are personal. 2023 , 13,	О
320	All-2D material photonic devices. 2023 , 5, 323-328	O
319	An iron-base oxygen-evolution electrode for high-temperature electrolyzers. 2023 , 14,	O
318	Nanoscale domain imaging of Li-rich disordered rocksalt-type cathode materials with X-ray spectroscopic ptychography.	О
317	Insulator-to-metal phase transition in a few-layered MoSe2 field effect transistor.	O
316	Hydrodeoxygenation of oleic acid over NiMo bimetallic catalysts supported on niobium phosphate.	О
315	Polymer Chain with Dipolar Active Forces in Connection to Spatial Organization of Chromatin.	0

314	Recent advances and future perspectives in MOF-derived single atom catalysts and their application: A review.	0
313	Toward a new generation of permeable skin electronics.	1
312	Stability of perovskite solar cells: issues and prospects. 2023 , 13, 1787-1810	2
311	Climatic Variability and Anthropogenic Forcing on Marine Ecosystems: Evidence from the Lakshadweep Archipelago. 2023 , 93-108	O
310	Metformin-chlorogenic acid combination reduces skeletal muscle inflammation in c57BL/6 mice on high-fat diets.	О
309	Enhanced cycling stability achieved by the nitrogen doped carbon coating layer for electrodeposited Mn3O4 in aqueous zinc ion batteries. 2023 , 614, 156259	O
308	Honeycomb-Layered Oxides With Silver Atom Bilayers and Emergence of Non-Abelian SU(2) Interactions. 2204672	О
307	Decarbonization scenarios and carbon reduction potential for Chinal road transportation by 2060. 2022 , 2,	1
306	GSH-Responsive Dnase-I-Loaded MnO \times Nanoplatforms for Combined Protein-Chemodynamic Therapy. 2200120	O
305	Design and fabrication of polyvinylidene fluoride-graphene oxide/gelatine nanofibrous scaffold for cardiac tissue engineering. 1-22	O
304	Recent Progress of Flexible Photodetectors Based on Low-Dimensional III/I Semiconductors and Their Application in Wearable Electronics. 2211548	O
303	Nonmetallic nitrogen doped MnO2 as highly efficient oxygen electrocatalyst for rechargeable zinc-air batteries.	O
302	Designing diversified renewable energy systems to balance multisector performance.	1
301	Multiple variation patterns of terpene synthases in 26 maize genomes. 2023 , 24,	O
300	High-efficiency mid-infrared InGaAs/InP arrayed waveguide gratings. 2023, 31, 5056	0
299	Photo-cross-linkable hyaluronic acid bioinks for bone and cartilage tissue engineering applications. 1-42	O
298	RNADNA hybrid nano-materials for highly efficient and long lasting RNA interference effect. 2023 , 13, 3139-3146	O
297	High-Performance Zinc-Ion Battery Enabled by Tuning the Terminal Group and Chain Length of PEO-based Oligomers.	O

296	Prioritization of a Micro-basin of the Daule River Sub-basin with Strong Erosional Problems and Their Effect to the Turbidity of the Water in the City of Guayaquil, Coastal Ecuador. 2023 , 118-134	0
295	Strategies to mitigate the shuttle effect in room temperature sodiumBulfur batteries: improving cathode materials.	O
294	In vivo Applications of Bioorthogonal Reactions - Chemistry and Targeting Mechanisms.	0
293	Brain-Like Optoelectronic Artificial Synapse with Ultralow Energy Consumption Based on MXene Floating-Gate for Emotion Recognition.	O
292	Nanoscale electronic synapses for neuromorphic computing. 2023 , 189-218	0
291	High Seebeck coefficient thermogalvanic cells via the solvent-sensitive charge additivity of cobalt 1,8-diaminosarcophagine.	O
290	Recent progress in layered metal halide perovskite for solar cells, photodetectors, and field-effect transistors.	0
289	The copper-catalyzed oxidative radical process of site selective CN bond cleavage in twisted amides: batch and continuous-flow chemistry.	O
288	Heterogeneous Integration of Atomically-Thin Indium Tungsten Oxide Transistors for Low-Power 3D Monolithic Complementary Inverter. 2205481	0
287	Composite Membrane for Organic Solvent Nanofiltration. 2023 , 7-64	O
286	Oxidative stress-triggered Wnt signaling perturbation characterizes the tipping point of lung adeno-to-squamous transdifferentiation. 2023 , 8,	0
285	Real-Time Reaction Monitoring of AzideAlkyne Cycloadditions Using Benchtop NMR-Based Signal Amplification by Reversible Exchange (SABRE).	O
284	If I ignore it, maybe it will go away: how Russian engineering students perceive the gender inequality issue. 1-20	0
283	Significant enhancement of ferromagnetism above room temperature in epitaxial 2D van der Waals ferromagnet Fe5©eTe2/Bi2Te3 heterostructures. 2023 , 15, 2223-2233	O
282	Single-atom catalysts for electrochemical N2 reduction to NH3.	0
281	Inferring the Demographic History and Inheritance Mode of Tetraploid Species Using ABC. 2023 , 325-348	O
280	Wearable chemical sensors based on 2D materials for healthcare applications.	0
279	Non-Hermitian squeezed polarons. 2023 , 107,	O

278	All-Printed Flexible Hygro-Thermoelectric Paper Generator. 2206483	0
277	Multiple Chelation-Assisted Lithiation Improves the Performance of Phosphate-Modified LiNi0.8Co0.1Mn0.1O2. 2023 , 170, 010525	0
276	Insights into alloy/oxide or hydroxide interfaces in NiMo-based electrocatalysts for hydrogen evolution under alkaline conditions.	0
275	Flexible Photodetectors Based on II-VI Semiconductors. 2023 , 469-494	O
274	Employing AI-Powered Decision Support Systems in Recommending the Most Effective Therapeutic Approaches for Individual Cancer Patients: Maximising Therapeutic Efficacy. 2023 , 259-275	0
273	Modulation of Brillouin Optomechanical Interactions via Acoustoelectric Phonon-Electron Coupling. 2023 , 19,	0
272	Photoresponse of CVD grown crystalline quantum dot-embedded covalent organic framework thin film. 2023 , 13, 3669-3676	0
271	Steering self-organisation through confinement.	1
270	Recovery of epoxy thermosets and their composites. 2023,	Ο
269	In situ Near-Ambient Pressure X-ray Photoelectron Spectroscopy Reveals the Effects of Water, Oxygen and Light on the Stability of PM6:Y6 photoactive layers	O
268	How a single mutation alters the protein structure: a simulation investigation on protein tyrosine phosphatase SHP2. 2023 , 13, 4263-4274	0
267	Preparation of Multi-functional Type Coordination Compounds: Spanning the quantitative restriction of Oxidizing Groups.	O
266	UV-Visible photo-reactivity of permanently polarized inorganic nanotubes coupled to gold nanoparticles.	0
265	Recent progress in nucleic acid detection with CRISPR.	1
264	Electrochemical oxidation of styrene to benzaldehyde by discrimination of spin-paired lelectrons.	Ο
263	Oxygenated copper vanadium selenide composite nanostructures as a cathode material for zinc-ion batteries with high stability up to 10 000 cycles.	Ο
262	A general urban spreading pattern of COVID-19 and its underlying mechanism. 2023, 3,	Ο
261	The Mystery of Cancer Resistance: A Revelation Within Nature.	O

2 60	Renal Clearable Mo-Based Polyoxometalate Nanoclusters: A Promising Radioprotectant against Ionizing Irradiation.	О
259	Dual-arm aerial continuum manipulation systems: modeling, pre-grasp planning, and control.	O
258	Perovskite and organic bulk heterojunction integrated solar cells: a mini review. 2023 , 82, 229-235	0
257	Pruning and quantization algorithm with applications in memristor-based convolutional neural network.	1
256	Revealing the antibacterial power of hydrogen-releasing PdH nanohydride against drug resistant Staphylococcus aureus: an in-depth mechanism study.	0
255	Enhanced electrochemical and environmental stability of black phosphorus-derived phosphorus composite anode for safe potassium-ion battery using amorphous zinc phosphate as a multi-functional additive. 2023 ,	O
254	Roadmap for Optical Tweezers 2023.	О
253	Starvation-assisted and photothermal-thriving combined chemo/chemodynamic cancer therapy with PT/MR bimodal imaging.	O
252	Quantifying the performance of machine learning models in materials discovery.	1
251	Nanoindentation characteristics of nanocrystalline tungsten via atomistic simulation. 1-19	O
250	Nepenthes-inspired hierarchical ZnIn2S4/Ru nanotubes with chemical bond-mediated interface enable efficient photocatalytic benzyl alcohol oxidation. 2023 , 616, 156601	О
249	Bismuth nanoparticles against microbial infections. 2022 , 17, 2109-2122	O
248	Comparative Analysis of Magnetorheological Effect in Soft Isotropic and Anisotropic Magnetoactive Elastomers. 2022 , 64, 888-896	0
247	Statistical and Computational Methods for Microbial Strain Analysis. 2023 , 231-245	O
246	Bioderived furanic intermediates as replacements for aromatics in chemical and materials production.	0
245	Recent progress in heteroatom doping to modulate the coordination environment of MNC catalysts for the oxygen reduction reaction.	O
244	All-inorganic 2D/3D Csx+2Pbx+1(SCN)2(I/Br)3x+2 perovskites. 2023 , 47, 6639-6644	О
243	Trisodium citrate as a modulation additive to increase the cycling capability of a Bi2S3 cathode in a zinc-ion battery. 2023 , 52, 3709-3715	O

242	Regulating interfacial polymerization via a multi-functional calcium carbonate based interlayer for a highly permselective nanofiltration membrane.	O
241	Nucleophilic deposition behavior of metal anodes.	О
240	Monocarboxylate-Protected Two-Electron Superatomic Silver Nanoclusters with High Photothermal Conversion Performance.	О
239	Clinical Applications of Novel Delivery Routes of Immunotherapy Drugs and Vaccines. 2023 , 1-25	О
238	Room-Temperature Polaron-Mediated Polariton Nonlinearity in MAPbBr3 Perovskites. 2023 , 10, 691-698	2
237	2D Rhenium Dichalcogenides: From Fundamental Properties to Recent Advances in Photodetector Technology. 2212167	O
236	Toward Rational Design of Ordered Heterostructures for Energy and Environmental Sustainability: A Review. 2200204	O
235	Organic Thin Film Transistor for Effective Biomarker Detection in Early Disease Diagnosis. 2023 , 11, 202	Ο
234	Highly stable, sensitive, and wide-range temperature sensing of luminous nanofibers fabricated by in-situ crystallization of CsPbBr3 within silica for a non-contact optical temperature probe. 2023 , 460, 141772	О
233	A sea urchin-like microstructure flexible pressure sensors for human physiological signals monitoring. 2023 , 34,	O
232	Novel warm/cool-tone switchable VO2-based smart window composite films with excellent optical performance. 2023 ,	0
231	Comparative transcriptomic analysis of germinating rice seedlings to individual and combined anaerobic and cold stress. 2023 , 24,	Ο
230	Trimming the genomic fat: minimising and re-functionalising genomes using synthetic biology. 2023 , 14,	О
229	2023 roadmap for potassium-ion batteries. 2023 , 5, 021502	О
228	Braille recognition by E-skin system based on binary memristive neural network. 2023, 13,	O
227	Emergence of Non-photoresponsive Catalytic Techniques for Environmental Remediation and Energy Generation.	О
226	Correlation between solvent composition and materials properties of organohydrogels prepared by solvent displacement.	О
225	Better Together? The Values, Obstacles, Opportunities, and Prospects for Collaborative Research in Environmental History. 2023 , 28, 269-299	О

224	Non-Abelian Eigenstate Thermalization Hypothesis. 2023 , 130,	O
223	Enhanced electrocatalytic activity of POM-derived CoMoS/FCP heterostructures for overall water splitting in alkaline media. 2023 , 18, 100076	O
222	Insight into magnetic characteristics of an ising monolayer Fe3GeTe2 structure. 2023, 177, 207549	O
221	Zn-doped nickel iron (oxy)hydroxide nanocubes passivated by polyanions with high catalytic activity and corrosion resistance for seawater oxidation. 2023 , 81, 82-92	O
220	Metal seeding growth of three-dimensional perovskite nanowire forests for high-performance stretchable photodetectors. 2023 , 111, 108386	O
219	Engineering Cu1.96S/Co9S8 with sulfur vacancy and heterostructure as an efficient bifunctional electrocatalyst for water splitting. 2023 , 154, 1-8	O
218	Deconstructed beetles: Bilayered composite materials produce green coloration with remarkably high near-infrared reflectance. 2023 , 18, 100363	О
217	Solvent engineering towards scalable fabrication of high-quality perovskite films for efficient solar modules. 2023 , 80, 689-710	O
216	Oxygen-assisted growth of monolayer MoS2 films on graphene by chemical vapor deposition. 2023 , 211, 111941	О
215	Emerging trends of electrocatalytic technologies for renewable hydrogen energy from seawater: Recent advances, challenges, and techno-feasible assessment. 2023 , 80, 658-688	O
214	Elucidating the promoting role of Ca on PdZn/CeO2 catalyst for CO2 valorization to methanol. 2023 , 343, 127927	O
213	A fluorescence biosensor based on DNA aptamers-COF for highly selective detection of ATP and thrombin. 2023 , 295, 122615	O
212	An Overview of Drone Energy Consumption Factors and Models. 2022 , 1-20	3
211	A Comparative Study on Energy Consumption Models for Drones. 2022 , 199-210	O
210	Structural Engineering of Flexible Electronics. 2022 , 1-26	O
209	COMPARISON OF DIFFERENT ESTIMATION FUNCTIONS FOR GLOBAL HEALTH ASSESSMENT CAUSED BY AMBIENT PM_{2.5}. 2022 , 78, I_239-I_250	O
208	Recent achievements toward the development of Ni-based layered oxide cathodes for fast-charging Li-ion batteries. 2023 , 15, 4195-4218	О
207	Biosensor integrated brain-on-a-chip platforms: Progress and prospects in clinical translation. 2023 , 225, 115100	O

206	The influence of the structure of atomic systems on the dynamics of electron exchange in ionIbn collision. 2023 , 77,	0
205	Nanosensor Composed of N-Doped Carbon Dots for Highly Selective Detection of Riboflavin. 2023 , 89, 1212-1219	Ο
204	Water defluoridation using Al/Fe/Ti ternary metal oxide-loaded activated carbon by capacitive deionization. 2023 , 9, 957-972	0
203	Role of water in dual-ionic pyrazolium salt promoted conversion of CO2 at atmospheric pressure and room temperature. 2023 , 13, 1818-1829	Ο
202	Synthesis, Vibrational Analysis, Electronic Structure Property Investigation and Molecular Simulation of Sulphonamide-Based Carboxamides against Plasmodium Species. 2023 , 8,	О
201	Protect seagrass meadows in ChinaE waters. 2023 , 379, 447-447	Ο
200	Evidence of Polaron Formation in Halide Perovskites via Carrier Effective Mass Measurements. 2023 , 2,	Ο
199	The 2022 applied physics by pioneering women: a roadmap. 2023 , 56, 073001	O
198	Recent trends in non-reactive light driven Micro/-nano propellers and rotors. 2023, 31, 101748	1
197	Quenched-in liquid in glass. 2023 , 2, 017501	O
197 196	Quenched-in liquid in glass. 2023 , 2, 017501 Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023 , 14,	0
196	Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023, 14, Evaluation of suitability and detection range of fluorescent dye-loaded nanoliposomes for sensitive	0
196 195	Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023, 14, Evaluation of suitability and detection range of fluorescent dye-loaded nanoliposomes for sensitive and rapid sensing of wide ranging osmolarities. 1-14	0
196 195 194	Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023, 14, Evaluation of suitability and detection range of fluorescent dye-loaded nanoliposomes for sensitive and rapid sensing of wide ranging osmolarities. 1-14 Uncertainty Qualification for Metasurface Design with Amendatory Bayesian Network. 2200807 Long-distance migration with minimal energy consumption in a thermal turbulent environment.	0 0
196 195 194	Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023, 14, Evaluation of suitability and detection range of fluorescent dye-loaded nanoliposomes for sensitive and rapid sensing of wide ranging osmolarities. 1-14 Uncertainty Qualification for Metasurface Design with Amendatory Bayesian Network. 2200807 Long-distance migration with minimal energy consumption in a thermal turbulent environment. 2023, 8,	0 0
196 195 194 193	Conductive and elastic bottlebrush elastomers for ultrasoft electronics. 2023, 14, Evaluation of suitability and detection range of fluorescent dye-loaded nanoliposomes for sensitive and rapid sensing of wide ranging osmolarities. 1-14 Uncertainty Qualification for Metasurface Design with Amendatory Bayesian Network. 2200807 Long-distance migration with minimal energy consumption in a thermal turbulent environment. 2023, 8, Measuring Near-Field Radiative Heat Transfer in a Graphene- SiC Heterostructure. 2023, 19,	0 0 0

188	Light transport through a magneto-optical medium: simple theory revealing fruitful phenomena. 2023 , 31, 9211	Ο
187	Structural and mechanical properties of folded protein hydrogels with embedded microbubbles. 2023 , 11, 2726-2737	O
186	2D Materials Boost Advanced Zn Anodes: Principles, Advances, and Challenges. 2023, 15,	1
185	Thermal conductivity switch via the reversible 2H-1TIphase transition in monolayer MoTe2.	O
184	Wearable Thermoelectric Generators: Materials, Structures, Fabrications, and Applications. 2200502	O
183	Design of nickel nanocrystals embedded in nitrogen-doped carbon toward high-performance hydrogen evolution reaction. 2023 , 34,	O
182	Tuning charge carrier dynamics through spacer cation functionalization in layered halide perovskites: an ab initio quantum dynamics study. 2023 , 11, 3521-3532	О
181	Single-cell transcriptomics is revolutionizing the improvement of plant biotechnology research: recent advances and future opportunities. 1-16	O
180	Structural, mechanical, electronic, and thermoelectric properties of TiZrCo2Bi2, TiHfCo2Bi2, and ZrHfCo2Bi2 double half Heusler semiconductors.	О
179	Rational Manipulation of Epitaxial Strains Enabled Valence Band Convergence and High Thermoelectric Performances in Mg 3 Sb 2 Films. 2300154	O
178	Genome size evolution in grasshoppers (Orthoptera: Caelifera: Acrididae).	О
177	Two-Photon Interface of Nuclear Spins Based on the Optonuclear Quadrupolar Effect. 2023, 13,	O
176	Particle size effect of SiO2-supported ZnO catalysts in propane dehydrogenation. 2023, 13, 1866-1873	O
175	Higher-order co-mutation interactions in mitochondrial genomes.	O
174	Enhanced stability of two-dimensional halide perovskites under an electric field for photocatalytic HI splitting. 2023 , 11, 6311-6320	О
173	Strongly Correlated Exciton-Magnetization System for Optical Spin Pumping in CrBr 3 and CrI 3 2209513	O
172	Advances in harvesting water and energy from ubiquitous atmospheric moisture.	О
171	A photonic artificial synapse with a reversible multifaceted photochromic compound. 2023 , 8, 543-549	O

170	Ru-doped CoS1.097 nanoparticles for improved electrocatalytic hydrogen evolution reaction. 2023 , 47, 5169-5173	0
169	Experimental observation of the spectral self-imaging effect with a four-wave mixing time lens. 2023 , 48, 1522	О
168	Dual-comb optical activity spectroscopy for the analysis of vibrational optical activity induced by external magnetic field. 2023 , 14,	Ο
167	The important role of surface charge on a new mechanism of nitrogen reduction. 2023 , 25, 7986-7993	О
166	Magnetically Assembled Ultrablack Surface with Omnidirectional and Broadband Light Absorption. 2023 , 15, 11369-11378	0
165	A Flexible Triboelectric Nanogenerator Integrated with CMCh-Fe/LiCl Hydrogel Electrode for Cheerleading Monitoring. 2023 , 18,	О
164	Carbon nano-materials (CNMs) derived from biomass for energy storage applications: a review.	О
163	Tracing the recent updates on vaccination approaches and significant adjuvants being developed against HIV. 2023 , 21, 431-446	О
162	Predicting the power grid frequency of European islands. 2023 , 4, 015012	О
161	Cu Current Collector with Binder-Free Lithiophilic Nanowire Coating for High Energy Density Lithium Metal Batteries. 2207902	О
160	Heteroatomic stitching of broken WS2 monolayer with enhanced surface potential. 2023, 15, 5274-5283	О
159	Orientation control of two-dimensional perovskite (CH3(CH2)3NH3)2(CH3NH3) ndPbnI3n+1 (n = 2) thin films by thermal annealing. 2023 , 62, SK1007	O
158	Strong EMetal Interaction Enables Liquid Interfacial Nanoarray Molecule Co-assembly for Raman Sensing of Ultratrace Fentanyl Doped in Heroin, Ketamine, Morphine, and Real Urine. 2023 , 15, 12570-12579	О
157	Melatonin-mediated FKBP4 downregulation protects against stress-induced neuronal mitochondria dysfunctions by blocking nuclear translocation of GR. 2023 , 14,	O
156	DMAI-driven all-inorganic antimony-based perovskite-inspired solar cells with record open-circuit voltage. 2023 , 11, 6474-6482	Ο
155	Using Powder Metallurgy and Oxide Reduction to Produce Eco-Friendly Bulk Nanoporous Nickel. 2201629	O
154	Controllable p-type doping of 2D MoS2via Sodium intercalation for optoelectronics. 2023 , 11, 3386-3394	0
153	Hierarchically porous Ni foam-supported Co and Sn doped Ni3S2 nanosheets for oxygen evolution reaction electrocatalysts. 2023 , 11, 5734-5745	O

152	Ultrabroadband and Reconfigurable Transmissive Acoustic Metascreen. 2300752	O
151	Performance improvement of aqueous zinc batteries by zinc oxide and Ketjen black co-modified glass fiber separators. 2023 , 13, 6453-6458	О
150	Phylogenomics of darkling beetles (Coleoptera: Tenebrionidae) from the Atacama Desert. 11, e14848	0
149	Identification of lead-free double halide perovskites for promising photovoltaic applications: first-principles calculations. 2023 , 138,	O
148	Nanoparticle-mediated cancer cell therapy: basic science to clinical applications.	0
147	Temperature Control of Diffusive Memristor Hysteresis and Artificial Neuron Spiking. 2023, 19,	О
146	Influence of junction resistance on spatiotemporal dynamics and reservoir computing performance arising from an SWNT/POM 3D network formed via a scaffold template technique.	O
145	Hierarchy of Lifshitz Transitions in the Surface Electronic Structure of Sr2RuO4 under Uniaxial Compression. 2023 , 130,	O
144	Evaluating elimination thresholds and stopping criteria for interventions against the vector-borne macroparasitic disease, lymphatic filariasis, using mathematical modelling. 2023 , 6,	0
143	Density functional theory study of Br doped CsPbI3 perovskite for photovoltaic and optoelectronic applications. 2023 , 98, 045505	O
142	Sensitivity Enhancement and Random Telegraph Noise in Magnetic Tunnel Junctions with Compensated Anisotropy. 2023 , 19,	0
141	Advanced metal oxide-based nanocatalysts for the oxidative synthesis of fine chemicals.	О
140	Preparation and characterization of vanillin-conjugated chitosan-stabilized emulsions via a Schiff-base reaction.	0
139	A perspective on the role of anions in highly concentrated aqueous electrolytes. 2023 , 16, 1480-1501	O
138	Clarifying the local microenvironment of metalBrganic frameworks and their derivatives for electrochemical CO2reduction: advances and perspectives.	0
137	The material hicroorganism interface in microbial hybrid electrocatalysis systems. 2023 , 15, 6009-6024	O
136	Theoretical studies on electronic, magnetic and optical properties of two dimensional transition metal trihalides. 2023 , 35, 233001	0
135	Copper Activation Enabling Reversible Aqueous CuØnS Battery Chemistry.	O

134	Principles of isomer stability in small clusters. 2023 , 4, 1746-1768	О
133	One-dimensional III-nitrides: towards ultrahigh efficiency, ultrahigh stability artificial photosynthesis. 2023 , 11, 5427-5459	O
132	Synthesis, Properties and Characterization of Metal Nanoparticles. 2023, 161-207	О
131	Classical and quantum machine learning applications in spintronics. 2023 , 2, 512-519	О
130	Association between genetic variants in TREM1, CXCL10, IL4, CXCL8 and TLR7 genes with the occurrence of congenital Zika syndrome and severe microcephaly. 2023 , 13,	0
129	Single-atom catalyst application in distributed renewable energy conversion and storage.	O
128	Neuromorphic Functional Modules of a Spiking Neural Network. 2022 , 17, S80-S90	О
127	Vanadium-Based Cathodic Materials of Aqueous Zn-Ion Battery for Superior-Performance with Prolonged-Life Cycle.	O
126	Novel Mg- and Ga-doped ZnO/Li-Doped Graphene Oxide Transparent Electrode/Electron-Transporting Layer Combinations for High-Performance Thin-Film Solar Cells. 2207966	О
125	Switching the memory behaviour from binary to ternary by triggering S62Irelaxation in polysulfide-bearing zincBrganic complex molecular memories.	О
124	Non-quantum nanostructure-enabled hot carrier generation for enhancive photoelectrocatalytic oxidation of bio-alcohol in water coupled with hydrogen evolution. 2023 , 25, 2771-2781	О
123	Key innovations and the diversification of Hymenoptera. 2023 , 14,	O
122	Design and analysis of low Densitymg-6Zn-4Cu-2Ca-1Mn alloy for automobile structures. 2021 , 76, 40-47	О
121	Nanoscale MOFs in nanomedicine applications: from drug delivery to therapeutic agents. 2023 , 11, 3273-3294	O
120	Recent Advancements on Metal-Free Vicinal Diamination of Alkenes: Synthetic Strategies and Mechanistic Insights. 2023 , 18,	О
119	Complementary Operando Electrochemical Quartz Crystal Microbalance and UV/Vis Spectroscopic Studies: Acetate Effects on Zinc-Manganese Batteries.	О
118	Transcription factor EB as a key molecular factor in human health and its implication in diseases. 2023 , 11, 205031212311572	О
117	The first record of chigutisaurid amphibian from the Late Triassic Tiki Formation and the probable Carnian pluvial episode in central India. 11, e14865	1

116	Curvature-Induced Cell Rearrangements in Biological Tissues. 2023, 130,	О
115	Investigation of the Cobalt-Additive Role in Improving the Performance of Formamidium Lead Triiodide Based Solar Cells.	O
114	Modifying SnO2 with ammonium polyacrylate to enhance the performance of perovskite solar cells. 2023 , 47, 6789-6795	O
113	Transition-metal free synthesis of 2-pyrones by $[3 + 3]$ annulation of cyclopropenones and sulfur ylides.	O
112	High-throughput microfluidic droplets in biomolecular analytical system: A review. 2023, 228, 115213	0
111	The Psychological Effects of Coronavirus on Children in the Perception of Arab Israeli Parents Sample. 1-21	O
110	Opening the B lack Box[Underlying Barriers to the Use of Canine Induced Pluripotent Stem Cells: A Narrative Review.	O
109	Recent advances in catalyst design and activity enhancement induced by a magnetic field for electrocatalysis. 2023 , 11, 7802-7832	O
108	Circulating levels of micronutrients and risk of infections: a Mendelian randomization study. 2023 , 21,	O
107	Precise modulation strategies of 2D/3D perovskite heterojunctions in efficient and stable solar cells. 2023 , 59, 4128-4141	O
106	Transverse Particle Trapping Using Finite Bessel Beams Based on Acoustic Metamaterials. 2023, 19,	0
105	Metal-Oxide Frameworks for Atmospheric Water Harvesting. 2023, 73-92	O
104	The model diatom Phaeodactylum tricornutum provides insights into the diversity and function of microeukaryotic DNA methyltransferases. 2023 , 6,	0
103	Nonlocal cross-interaction systems on graphs: Energy landscape and dynamics. 2023, 0-0	O
102	Photochemical Imaging of Near-Field and Dissymmetry Factor in Chiral Nanostructures. 2203015	O
101	Advancements in droplet reactor systems represent new opportunities in chemical reactor engineering: A perspective.	O
100	Environmentally Adaptable Organolbnic Gel-Based Electrodes for Real-Time On-Skin Electrocardiography Monitoring. 2300475	0
99	Electrode/electrolyte interfacial engineering for aqueous Zn-ion batteries. 2023 , 2, 186-212	O

98	Squeezed Abrikosov-Josephson Vortex in Atomic-Layer Pb Superconductors Formed on Vicinal Si(111) Substrates. 2023 , 130,	Ο
97	Radiation induced grafting of amphiphilic double poly(ionic liquid) copolymer onto silica surface for the removal of ReO4 \Box as analogue of TcO4 \Box	Ο
96	Metal-Organic Frameworks Nanocarriers for Functional Nucleic Acid Delivery in Biomedical Applications.	0
95	Dopamine-intercalated vanadate hollow microtube arrays with S-doping for high-performance zinc-ion batteries: disorder/defect-induced clusters and a reversible phase transition. 2023 , 15, 6273-6284	Ο
94	Importance of Adatom on Pure Iron Catalyst Towards Electrocatalytic N 2 Reduction Reaction.	O
93	Review on comprehending and enhancing the initial coulombic efficiency of Li-rich Mn-based cathode materials in lithium-ion batteries.	O
92	Effect of cation alkyl chain length on 3-sulfopropylmethacrylate-based draw solutes having lower critical solution temperature. 2023 , 13, 8291-8298	Ο
91	Enhanced charge storage capacity and high rate capabilities of Ni2Co-layered double hydroxides/expanded-graphite composites as anodes for Li-ion batteries. 2023 , 11, 7142-7151	Ο
90	Insight into the development of electrolytes for aqueous zinc metal batteries from alkaline to neutral. 2023 , 108337	O
89	A comprehensive review of carbon anode materials for potassium-ion batteries based on specific optimization strategies.	O
88	Multi-omics Data Deconvolution and Integration: New Methods, Insights, and Translational Implications. 2023 , 1-9	0
87	Single-Source Vapor-Deposition of MA 1№ FA x PbI 3 Perovskite Absorbers for Solar Cells. 2300588	O
86	Frequency Splitting of Chiral Phonons from Broken Time-Reversal Symmetry in Crl3. 2023, 130,	О
85	Clarification of the Exceptional-Point Contribution to Photonic Sensing. 2023, 19,	Ο
84	Self-assembly of dodecagonal and octagonal quasicrystals in hard spheres on a plane. 2023, 19, 2654-2663	O
83	Expression of Homing Receptors in IgM+IgD+CD27+ B Cells and Their Frequencies in Appendectomized and/or Tonsillectomized Individuals. 1-15	O
82	Solvent-controlled amidation of acid chlorides at room temperature: new route to access aromatic primary amides and imides amenable for late-stage functionalization. 2023 , 13, 9231-9236	О
81	A fluorophore anchored MOF for fast and sensitive sensing of Cu(ii) and 3-nitrotyrosine in a physiological medium.	O

80	Boosting the Bifunctional Oxygen Electrode Activity of Nitrogen-decorated Carbon Networks via Ni/NiO Addition for Li-Air and Zn-Air Batteries. 2023 , 170, 030544	Ο
79	Full-Period Quantum Phase Estimation. 2023 , 130,	Ο
78	Effect of nanostructural irregularities on structural color in the tail feathers of the Oriental magpie Pica serica. 2023 , 18, e0282053	0
77	A Magnetic Bio-Inspired Soft Carrier as a Temperature-Controlled Gastrointestinal Drug Delivery System.	0
76	Association between dietary 3-monochloropropane-1,2-diol esters (3-MCPDE) and renal cancer in Peninsular Malaysia: exposure assessment and matched case-control study. 2023 , 40, 475-492	0
75	Unraveling arbuscular mycorrhizal fungi interaction in rice for plant growth development and enhancing phosphorus use efficiency through recent development of regulatory genes. 1-37	O
74	CuO/Cu/rGO nanocomposite anodic titania nanotubes for boosted non-enzymatic glucose biosensors.	0
73	Confined states in the tight-binding model on the hexagonal golden-mean tiling. 2023, 2461, 012003	O
72	Bioengineered Exosomes Bearing Adenosine A2a Receptor for the Treatment of Neuroinflammation. 2022 , 18, 2642-2650	0
71	Prediction model for drug response of acute myeloid leukemia patients. 2023 , 7,	O
70	High photoactive black phase stability of CsPbI3 nanocrystals under damp-heat conditions of 85 $^{\circ}$ C and 85% relative humidity.	0
69	Four-body singlet potential-energy surface for reactions of calcium monofluoride. 2023, 107,	O
68	Reconnoitring the antioxidant and antibacterial potential of different fruits after tannin acyl hydrolase mediated biotransformation.	0
67	Fabrication of Advanced Cellulosic Triboelectric Materials via Dielectric Modulation.	O
66	Single-molecule localization microscopy reveals the ultrastructural constitution of distal appendages in expanded mammalian centrioles. 2023 , 14,	0
65	Unconventional Berezinskii-Kosterlitz-Thouless Transition in the Multicomponent Polariton System. 2023 , 130,	O
64	From a one-mode to a multi-mode understanding of conical intersection mediated ultrafast organic photochemical reactions.	0
63	Diversity of viscoelastic properties of an engineered muscle-inspired protein hydrogel.	O

62	Oriented attachment interfaces of zeolitic imidazolate framework nanocrystals.	0
61	Recent progress in neuromorphic and memory devices based on graphdiyne. 2023 , 24,	O
60	Imaging-based 3D particle tracking system for field characterization of particle dynamics in atmospheric flows. 2023 , 64,	О
59	Transitions of Collective Motions Driven by Phase Resetting.	O
58	Graphene/MoS2/SiOx memristive synapses for linear weight update. 2023 , 7,	0
57	Mechanoenzymatic reactions for the hydrolysis of PET. 2023 , 13, 9954-9962	Ο
56	Ecologically Unequal Exchange and the Value of Money. 1-21	0
55	Predicting power conversion efficiency of binary organic solar cells based on Y6 acceptor by machine learning. 2023 , 82, 139-147	Ο
54	A Universal Interfacial Strategy Enabling Ultra-Robust Gel Hybrids for Extreme Epidermal Bio-Monitoring.	0
53	Universal anomaly of dynamics at phase transition points induced by Pancharatnam-Berry phase. 2023 , 98, 055927	O
52	Simple Fabrication of Transparent Triboelectric Nanogenerator Based on Coffee-Ring-Free AgNW Electrode via Spray Deposition with Surfactant.	O
51	The microbiome of cereal plants: The current state of knowledge and the potential for future applications. 2023 , 18,	O
50	Probing Low-Frequency Charge Noise in Few-Electron CMOS Quantum Dots. 2023, 19,	0
49	Development of nanoparticle bulk morphology analysis: a multidomain XRD approach.	Ο
48	An overview of atmospheric water harvesting methods, the inevitable path of the future in water supply. 2023 , 13, 10273-10307	0
47	Weyl singularities in polaritonic multiterminal Josephson junctions. 2023 , 107,	O
46	Optical neuromodulation at all scales: from nanomaterials to wireless optoelectronics and integrated systems.	0
45	Novel Solanum torvum Fruit Biomass-Derived Hierarchical Porous Carbon Nanosphere as Excellent Electrode Material for Enhanced Symmetric Supercapacitor Performance.	Ο

44	The optoelectronic application of CsSnI 3 upon substitution with Pb: A DFT approach.	Ο
43	CN and CI Bond Formation in Annulation and Aromatization through Metal-Catalyzed Photoredox CH Functionalization. 2023 , 8,	O
42	Hypochlorous Acid-Activated UCNPs-LMB/VQIVYK Multifunctional Nanosystem for Alzheimer⊠ Disease Treatment. 2023 , 14, 207	0
41	Analytic Theory for the Dynamics of Wide Quantum Neural Networks. 2023 , 130,	O
40	Acceleration of U.S. Southeast and Gulf coast sea-level rise amplified by internal climate variability. 2023 , 14,	0
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38	Trade-off between critical metal requirement and transportation decarbonization in automotive electrification. 2023 , 14,	0
37	Application of Biomaterials in Cancer Research. 2023 , 245-289	O
36	Universal Framework for Record Ages under Restart. 2023 , 130,	0
35	Hierarchical biopolymer-based materials and composites.	O
35	Hierarchical biopolymer-based materials and composites. Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023, 105-178	0
34	Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023 , 105-178 Imidazole-based artificial synapses for neuromorphic computing: a cluster-type conductive filament	0
34	Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023, 105-178 Imidazole-based artificial synapses for neuromorphic computing: a cluster-type conductive filament via controllable nanocluster nucleation.	0
34 33 32	Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023, 105-178 Imidazole-based artificial synapses for neuromorphic computing: a cluster-type conductive filament via controllable nanocluster nucleation. Quantum-inspired measures of network distinguishability. 2023, 13, High-performance photodetection sensors based on (S2Ge)100½(S3Sb2)x (x = 15, 30, 45, 60)	0 0
34 33 32 31	Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023, 105-178 Imidazole-based artificial synapses for neuromorphic computing: a cluster-type conductive filament via controllable nanocluster nucleation. Quantum-inspired measures of network distinguishability. 2023, 13, High-performance photodetection sensors based on (S2Ge)100½(S3Sb2)x (x = 15, 30, 45, 60) system for optoelectronics applications. 2023, 34,	0 0
34 33 32 31 30	Biomaterial-Based Delivery Systems for Chemotherapeutics. 2023, 105-178 Imidazole-based artificial synapses for neuromorphic computing: a cluster-type conductive filament via controllable nanocluster nucleation. Quantum-inspired measures of network distinguishability. 2023, 13, High-performance photodetection sensors based on (\$2\$Ge)100\$\text{M}\$(\$3\$Sb2)\$\times (\$x = 15, 30, 45, 60) system for optoelectronics applications. 2023, 34, Introduction to topological defects: from liquid crystals to particle physics. Fluorine-a small magic bullet atom in the drug development: perspective to FDA approved and	0 0 0

26	Single Atom-Engineered NIR-II Gold Clusters with Ultrahigh Brightness and Stability for Acute Kidney Injury.	O
25	Efficient proton conduction in porous and crystalline covalent-organic frameworks (COFs). 2023,	О
24	Asymmetric diarylamine guests for host-guest system with stimulus-responsive room temperature phosphorescence.	O
23	Effect of Mn2+ doping on exciton recombination and carrier trapping in Cs2CdCl4 metal halide.	O
22	Inner transition metal-modulated metal organic frameworks (IT-MOFs) and their derived nanomaterials: a strategic approach towards stupendous photocatalysis.	0
21	Integrated Memristor Network for Physiological Signal Processing.	O
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19	Spatial and temporal dynamics of ATP synthase from mitochondria toward the cell surface. 2023 , 6,	О
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16	Advanced biomaterials for human glioblastoma multiforme (GBM) drug delivery.	0
15	Tunable Schottky contacts in graphene/XAu4Y (X, Y = Se, Te) heterostructures.	Ο
14	Broadband MoS2 Square Nanotube-Based Photodetectors.	0
13	Excitons in CsPbBr3 Halide Perovskites. 2023 , 73-88	Ο
12	Perovskite Light-Emitting Diodes. 2023 , 53-71	0
11	Slide-Ring Materials Based on Self-assembled Polyrotaxane Molecular Necklaces 2023 , 565-594	0
10	Functional-renormalization-group approach to circuit quantum electrodynamics. 2023, 107,	0
9	Dynamic Control of Nonlinearly Generated Light Chirality with Nanostructured Graphene.	O

8	Novel Zn/Mn-Based Perovskite (ZnMnO 3) as Fabricated by a Sol-Gel Method for Energy Storage Devices. 2023 , 8,	O
7	Characterizing Soft Matter Self-Assembly and Material Properties with Advanced Molecular Dynamics and Data-Driven Methods. 2023 , 1197-1220	O
6	Cuticle supplementation and nitrogen recycling by a dual bacterial symbiosis in a family of xylophagous beetles.	O
5	Sonodynamic Bacterial Inactivation Enhanced by an Actuator-Integrated Mechanism.	O
4	Uncover DNA damage and repair-related gene signature and risk score model for glioma. 2023, 55,	О
3	Determination of stem cell pluripotency in spent cultivation media by Raman spectroscopy.	O
2	Processing, property modulation and application of one-dimensional SiC nanostructure field emitters. 2023 , 277, 112019	O
1	Effect of Boron and Nitrogen Modulation in Metal Atoms Anchoring on Flower-Like Carbon Superstructure for Efficient Ammonia Electrosynthesis. 2023 , 143517	O