

Paul K Chu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,445
papers

54,942
citations

104
h-index

172
g-index

1,470
ext. papers

63,401
ext. citations

6.5
avg, IF

8.11
L-index

#	Paper	IF	Citations
1445	Size-dependent flame retardancy of black phosphorus nanosheets.. <i>Nanoscale</i> , 2022 , 14, 2599-2604	7.7	1
1444	Commercialization of Electric Vehicles in Hong Kong. <i>Energies</i> , 2022 , 15, 942	3.1	3
1443	Improved corrosion and wear resistance of micro-arc oxidation coatings on the 2024 aluminum alloy by incorporation of quasi-two-dimensional sericite microplates. <i>Applied Surface Science</i> , 2022 , 585, 152693	6.7	0
1442	A programmed surface on polyetheretherketone for sequentially dictating osteoimmunomodulation and bone regeneration to achieve ameliorative osseointegration under osteoporotic conditions.. <i>Bioactive Materials</i> , 2022 , 14, 364-376	16.7	3
1441	A zinc-doped coating prepared on the magnesium alloy by plasma electrolytic oxidation for corrosion protection. <i>Surface and Coatings Technology</i> , 2022 , 433, 128148	4.4	2
1440	Fan-shape Mn-doped CoO/C microspheres for high lithium-ion storage capacity. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163980	5.7	0
1439	Enhanced ion conductivity and electrode-electrolyte interphase stability of porous Si anodes enabled by silicon nitride nanocoating for high-performance Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2022 ,	12	3
1438	Balancing the biocompatibility and bacterial resistance of polypyrrole by optimized silver incorporation.. <i>Materials Science and Engineering C</i> , 2022 , 112701	8.3	1
1437	Finite phosphorene derived partial reduction of metal organic framework nanofoams for enhanced lithium storage capability. <i>Journal of Power Sources</i> , 2022 , 525, 231025	8.9	
1436	Stable static zinc-iodine redox battery constructed with graphene quantum dots coated graphite felt. <i>Journal of Power Sources</i> , 2022 , 520, 230861	8.9	0
1435	A novel photonic quasi-crystal fiber for transmission of orbital angular momentum modes. <i>Optik</i> , 2022 , 251, 168446	2.5	0
1434	A square-lattice D-shaped photonic crystal fiber sensor based on SPR to detect analytes with large refractive indexes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022 , 138, 115106	3	4
1433	Magnesium cationic cue enriched interfacial tissue microenvironment nurtures the osseointegration of gamma-irradiated allograft bone.. <i>Bioactive Materials</i> , 2022 , 10, 32-47	16.7	1
1432	Hydrogen permeation behavior and mechanism of multi-layered graphene coatings and mitigation of hydrogen embrittlement of pipe steel. <i>Applied Surface Science</i> , 2022 , 573, 151529	6.7	1
1431	In situ preparation of Mn-doped perovskite nanocrystalline films and application to white light emitting devices. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1163-1169	9.3	4
1430	A multifunctional antibacterial coating on bone implants for osteosarcoma therapy and enhanced osteointegration. <i>Chemical Engineering Journal</i> , 2022 , 428, 131155	14.7	5
1429	Highly active cobalt-doped nickel sulfide porous nanocones for high-performance quasi-solid-state zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2022 , 66, 237-249	12	3

1428	Surface and interface control of black phosphorus. <i>Chem</i> , 2022 , 8, 632-662	16.2	2
1427	Diamond-like carbon coating and surface grafting of osteoprotegerin and alendronate on polyetheretherketone to ameliorate the mechanical performance and osseointegration simultaneously. <i>Composites Part B: Engineering</i> , 2022 , 236, 109815	10	0
1426	Fabrication and hydrogen permeation resistance of dense CrN coatings. <i>Surface and Coatings Technology</i> , 2022 , 437, 128326	4.4	1
1425	Sodium alginate coating on biodegradable high-purity magnesium with a hydroxide/silane transition layer for corrosion retardation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 642, 128647	5.1	0
1424	Effects of acid treatment and plasma micromachining on the surface properties of carbon fibers. <i>Applied Surface Science</i> , 2022 , 592, 153261	6.7	1
1423	Se-NiSe ₂ hybrid nanosheet arrays with self-regulated elemental Se for efficient alkaline water splitting. <i>Journal of Materials Science and Technology</i> , 2022 , 118, 136-143	9.1	2
1422	Near-infrared photonic artificial synapses based on organic heterojunction phototransistors. <i>Applied Physics Letters</i> , 2022 , 120, 151103	3.4	0
1421	A silicate-loaded MgAl LDH self-healing coating on biomedical Mg alloys for corrosion retardation and cytocompatibility enhancement. <i>Surface and Coatings Technology</i> , 2022 , 439, 128442	4.4	0
1420	In-Plane Mott-Schottky Effects Enabling Efficient Hydrogen Evolution from Mo N -MoS Heterojunction Nanosheets in Universal-pH Electrolytes.. <i>Small</i> , 2022 , e2201137	11	1
1419	In-Situ and Controllable Construction of Mo ₂ N Embedded Mo ₂ C Nanobelts as Robust Electrocatalyst for Superior pH-Universal Hydrogen Evolution Reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 165611	5.7	0
1418	Subnanometer MoP clusters confined in mesoporous carbon (CMK-3) as superior electrocatalytic sulfur hosts for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2022 , 446, 137050	14.7	1
1417	High-precision modeling of dynamic etching in high-power magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 325203	3	0
1416	Numerical Analysis of Multifunctional Biosensor with Dual-Channel Photonic Crystal Fibers Based on Localized Surface Plasmon Resonance. <i>Coatings</i> , 2022 , 12, 742	2.9	0
1415	In situ synthesis of 3D metal oxides/Ni ₃ C on the macroporous electrically conductive network for enhanced electron field emission. <i>Materials Letters</i> , 2022 , 323, 132524	3.3	
1414	Plasmon-enhanced hydrogen evolution on Pt-anchored titanium nitride nanowire arrays. <i>Applied Surface Science</i> , 2022 , 598, 153745	6.7	1
1413	Efficient coupling of MnO/TiN on carbon cloth positive electrode and FeO/TiN on carbon cloth negative electrode for flexible ultra-fast hybrid supercapacitors.. <i>RSC Advances</i> , 2021 , 11, 35726-35736	3.7	1
1412	Plasma Engineering of Basal Sulfur Sites on MoS @Ni S Nanorods for the Alkaline Hydrogen Evolution Reaction.. <i>Advanced Science</i> , 2021 , e2104774	13.6	5
1411	Efficient photonic crystal fiber polarization splitters composed of gallium arsenide and nematic liquid crystals. <i>Modern Physics Letters B</i> , 2021 , 35, 2150077	1.6	0

1410	Porous Mo ₂ C-Mo ₃ N ₂ heterostructure/rGO with synergistic functions as polysulfides regulator for high-performance lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2021 , 433, 133629	14.7	2
1409	Recent Progress and Perspective of Co-based Catalysts for Water Splitting: Design and Nanoarchitectonics. <i>Materials Today Energy</i> , 2021 , 100911	7	4
1408	Surface plasmon resonance chemical sensor composed of a microstructured optical fiber for the detection of an ultra-wide refractive index range and gas-liquid pollutants. <i>Optics Express</i> , 2021 , 29, 407342	3.3	9
1407	A water-soluble membrane for SARS-CoV-2 viral nucleic acid sampling and detection. <i>Nanoscale</i> , 2021 , 13, 18084-18088	7.7	
1406	MXene Coatings: Novel Hydrogen Permeation Barriers for Pipe Steels. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
1405	Activating Carbon Nitride by BP@Ni for the Enhanced Photocatalytic Hydrogen Evolution and Selective Benzyl Alcohol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50988-50995	9.5	1
1404	Recent Advances in Structural Engineering of 2D Hexagonal Boron Nitride Electrocatalysts. <i>Nano Energy</i> , 2021 , 91, 106661	17.1	6
1403	ZnL-BPs Integrated Bone Scaffold under Sequential Photothermal Mediation: A Win-Win Strategy Delivering Antibacterial Therapy and Fostering Osteogenesis Thereafter. <i>ACS Nano</i> , 2021 ,	16.7	20
1402	Short-brush NiFeOxHy films and the Pt derivative as high-performance electrode materials for efficient electrocatalytic water splitting. <i>Applied Surface Science</i> , 2021 , 151636	6.7	2
1401	Carbon-encapsulated nanosphere-assembled MoS ₂ nanosheets with large interlayer distance for flexible lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 1657-1665	2.6	1
1400	Titania-zinc phosphate/nanocrystalline zinc composite coatings for corrosion protection of biomedical WE43 magnesium alloy. <i>Surface and Coatings Technology</i> , 2021 , 410, 126940	4.4	4
1399	Improving exposure of anodically ordered NiTiD and corrosion resistance and biological properties of NiTi alloys by substrate electropolishing. <i>Rare Metals</i> , 2021 , 40, 3575-3587	5.5	2
1398	Multi-functional gallium arsenide photonic crystal polarization splitter with a gold core. <i>Modern Physics Letters B</i> , 2021 , 35, 2150229	1.6	0
1397	Effects of hydrogen etching on MnO ₂ electrode materials for supercapacitors. <i>Surface and Coatings Technology</i> , 2021 , 410, 126951	4.4	2
1396	Effects of the tantalum intermediate layer on the nanomechanical properties and biocompatibility of nanostructured tantalum/tantalum nitride bilayer coating deposited by magnetron sputtering on the nickel titanium alloy. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 1867-1880	3.3	1
1395	A composite coating with physical interlocking and chemical bonding on WE43 magnesium alloy for corrosion protection and cytocompatibility enhancement. <i>Surface and Coatings Technology</i> , 2021 , 412, 127078	4.4	6
1394	A photonic quasi-crystal fiber composed of circular air holes with high birefringence and low confinement loss. <i>Optik</i> , 2021 , 231, 166497	2.5	0
1393	Cost-effective liquid-junction solar devices with plasma-implanted Ni/TiN/CNF hierarchically structured nanofibers. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115167	4.1	7

1392	Corrosion Behavior and Biocompatibility of Diamond-like Carbon-Coated Zinc: An In Vitro Study. <i>ACS Omega</i> , 2021 , 6, 9843-9851	3.9	9
1391	Substitution of quartz and clay with fly ash in the production of architectural ceramics: A mechanistic study. <i>Ceramics International</i> , 2021 , 47, 12514-12525	5.1	5
1390	Enhanced Hydrogen Evolution Activity of Phosphorus-Rich Tungsten Phosphide by Cobalt Doping: A Comprehensive Study of the Active Sites and Electronic Structure. <i>ChemElectroChem</i> , 2021 , 8, 1658-1664	4.2	2
1389	Investigation of a high-sensitivity surface plasmon resonance sensor based on the eccentric core quasi D-shape photonic quasi-crystal fiber. <i>Journal of Modern Optics</i> , 2021 , 68, 555-563	1.1	2
1388	Optoelectronic Artificial Synapses Based on Two-Dimensional Transitional-Metal Trichalcogenide. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30797-30805	9.5	14
1387	Characteristics of continuous high power magnetron sputtering (C-HPMS) in reactive O ₂ /Ar atmospheres. <i>Journal of Applied Physics</i> , 2021 , 129, 243301	2.5	0
1386	Strategies to improve cobalt-based electrocatalysts for electrochemical water splitting. <i>Journal of Catalysis</i> , 2021 , 398, 54-66	7.3	12
1385	Enhanced corrosion resistance and reduced cytotoxicity of the AZ91 Mg alloy by plasma nitriding and a hierarchical structure composed of ciprofloxacin-loaded polymeric multilayers and calcium phosphate coating. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 2657-2672	5.4	1
1384	Macroscale Superlubricity on Engineering Steel in the Presence of Black Phosphorus. <i>Nano Letters</i> , 2021 , 21, 5308-5315	11.5	8
1383	Plasma-activated interfaces for biomedical engineering. <i>Bioactive Materials</i> , 2021 , 6, 2134-2143	16.7	5
1382	Graphene-mediated ferromagnetic coupling in the nickel nano-islands/graphene hybrid. <i>Science Advances</i> , 2021 , 7,	14.3	2
1381	NiS Nanocomposite Structures Doped with Zn and Co as Long-Lifetime, High-Energy-Density, and Binder-Free Cathodes in Flexible Aqueous Nickel-Zinc Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34292-34300	9.5	7
1380	Graphitic carbon nitride-based materials for photocatalytic antibacterial application. <i>Materials Science and Engineering Reports</i> , 2021 , 145, 100610	30.9	55
1379	Optimization and cutting-edge design of fuel-cell hybrid electric vehicles. <i>International Journal of Energy Research</i> , 2021 , 45, 18392	4.5	10
1378	Circular anti-resonance fibre supporting orbital angular momentum modes with flat dispersion, high purity and low confinement loss. <i>Journal of Modern Optics</i> , 2021 , 68, 784-791	1.1	4
1377	Utilization of coal fly ash in China: a mini-review on challenges and future directions. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 18727-18740	5.1	25
1376	Electrochemical stability, corrosion behavior, and biological properties of NiTiO ₄ nanoporous layers anodically on NiTi alloy. <i>Corrosion Science</i> , 2021 , 179, 109104	6.8	4
1375	Investigation of the microstructure on the nanoporous carbon based capacitive performance. <i>Microporous and Mesoporous Materials</i> , 2021 , 310, 110629	5.3	2

1374	Synergistic antibacterial activity of physical-chemical multi-mechanism by TiO nanorod arrays for safe biofilm eradication on implant. <i>Bioactive Materials</i> , 2021 , 6, 12-25	16.7	50
1373	Enhanced corrosion resistance, antibacterial properties, and biocompatibility by hierarchical hydroxyapatite/ciprofloxacin-calcium phosphate coating on nitrided NiTi alloy. <i>Materials Science and Engineering C</i> , 2021 , 118, 111524	8.3	11
1372	Stepwise 3D-spatio-temporal magnesium cationic niche: Nanocomposite scaffold mediated microenvironment for modulating intramembranous ossification. <i>Bioactive Materials</i> , 2021 , 6, 503-519	16.7	10
1371	Silicon monophosphides with controlled size and crystallinity for enhanced lithium anodic performance. <i>Nanoscale</i> , 2021 , 13, 51-58	7.7	5
1370	Complete ablation of resistant tumors with photosensitive black phosphorus quantum dots-based lipid nanocapsules. <i>Chemical Engineering Journal</i> , 2021 , 421, 127879	14.7	1
1369	Large-scale and low-cost synthesis of in situ generated SiC/C nano-composites from rice husks for advanced electromagnetic wave absorption applications. <i>Surface and Coatings Technology</i> , 2021 , 406, 126641	4.4	5
1368	Effects of the target-to-substrate distance on the microstructure and properties of TiN coatings fabricated by pulse-enhanced vacuum arc evaporation. <i>Journal of Adhesion Science and Technology</i> , 2021 , 35, 1125-1137	2	1
1367	Uniform cobalt nanoparticles-decorated biscuit-like VN nanosheets by in situ segregation for Li-ion batteries and oxygen evolution reaction. <i>Applied Surface Science</i> , 2021 , 536, 147982	6.7	6
1366	Ultra-short and dual-core photonic crystal fiber polarization splitter composed of metal and gallium arsenide. <i>Optik</i> , 2021 , 226, 165779	2.5	13
1365	A Biomimetic Nano-Engineered Platform for Functional Tissue Engineering of Cartilage Superficial Zone. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001018	10.1	4
1364	Graphene-encapsulated blackberry-like porous silicon nanospheres prepared by modest magnesiothermic reduction for high-performance lithium-ion battery anode. <i>Rare Metals</i> , 2021 , 40, 383-392	5.5	35
1363	Black phosphorus: Versatile two-dimensional materials in cancer therapies. <i>View</i> , 2021 , 2, 20200043	7.8	4
1362	Artificial synapses with a sponge-like double-layer porous oxide memristor. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	9
1361	Overview of refractive index sensors comprising photonic crystal fibers based on the surface plasmon resonance effect [Invited]. <i>Chinese Optics Letters</i> , 2021 , 19, 102202	2.2	13
1360	Field emission from geometrically modulated tungsten-nickel sulfide / graphitic carbon nanobelts on Si microchannel plates. <i>Ceramics International</i> , 2021 , 47, 4034-4042	5.1	1
1359	High-performance multi-dimensional nitrogen-doped N+MnO ₂ @TiC/C electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2021 , 370, 137716	6.7	5
1358	3D urchin-like NiCo ₂ O ₄ coated with carbon nanospheres prepared on flexible graphite felt for efficient bifunctional electrocatalytic water splitting. <i>Journal of Materials Science</i> , 2021 , 56, 9961-9973	4.3	4
1357	Near-infrared light II - assisted rapid biofilm elimination platform for bone implants at mild temperature. <i>Biomaterials</i> , 2021 , 269, 120634	15.6	31

1356	Surface plasmon resonance sensor based on U-shaped photonic quasi-crystal fiber. <i>Applied Optics</i> , 2021 , 60, 1761-1766	1.7	11
1355	A cationic alternating copolymer composed of ornithine and glycine with an ordered sequence for enhanced bacterial activity. <i>Polymer Engineering and Science</i> , 2021 , 61, 1405-1414	2.3	1
1354	Wear and corrosion resistant coatings prepared on LY12 aluminum alloy by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2021 , 409, 126885	4.4	4
1353	In situ construction of EMoC/VN heterostructured electrocatalysts with strong electron coupling for highly efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021 , 416, 129130	14.7	11
1352	Simultaneous application of diamond-like carbon coating and surface amination on polyether ether ketone: Towards superior mechanical performance and osseointegration. <i>Smart Materials in Medicine</i> , 2021 , 2, 219-219	12.9	11
1351	Experimental and theoretical investigation of the control and balance of active sites on oxygen plasma-functionalized MoSe_2 nanosheets for efficient hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 119983	21.8	14
1350	Programmed surface on poly(aryl-ether-ether-ketone) initiating immune mediation and fulfilling bone regeneration sequentially. <i>Innovation(China)</i> , 2021 , 2, 100148	17.8	6
1349	Engineering CsPbBr_3 quantum dots with efficient luminescence and stability by damage-free encapsulation with $\alpha\text{-SiC}_x\text{H}$. <i>Journal of Luminescence</i> , 2021 , 236, 118086	3.8	2
1348	Facile synthesis of ZnO doped with Au nanoparticles for sensitive and reliable photoelectrochemical detection of glucose. <i>Ionics</i> , 2021 , 27, 4449-4459	2.7	1
1347	GaO@GaN Nanowire Arrays on Flexible Graphite Paper with Tunable Persistent Photoconductivity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41916-41925	9.5	3
1346	TiO ₂ film supported by vertically aligned gold nanorod superlattice array for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 417, 127900	14.7	8
1345	Cationic Alternating Polypeptide Fixed on Polyurethane at Multiple Sites for Excellent Antibacterial and Antifouling Properties. <i>Langmuir</i> , 2021 , 37, 10657-10667	4	1
1344	Three-dimensional nano/micro-structured porous MoP/CNTs microspheres as high-capacity anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 872, 159608	5.7	2
1343	High efficient co-doping in plasma electrolytic oxidation to obtain long-term self-lubrication on Ti6Al4V. <i>Tribology International</i> , 2021 , 160, 107018	4.9	0
1342	Regulation of extracellular bioactive cations in bone tissue microenvironment induces favorable osteoimmune conditions to accelerate bone regeneration. <i>Bioactive Materials</i> , 2021 , 6, 2315-2330	16.7	23
1341	Subsurface intercalation activating basal plane of black phosphorus for nitrogen reduction. <i>Journal of Energy Chemistry</i> , 2021 , 60, 293-299	12	4
1340	Morphological modulation of cobalt selenide on carbon cloth by Ni doping for high-performance electrodes in supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 624, 126818	5.1	7
1339	Hard and tough CrN coatings strengthened by high-density distorted coherent grain boundaries. <i>Journal of Alloys and Compounds</i> , 2021 , 894, 162139	5.7	1

1338	Fabrication of Bimetallic Oxides (MCo ₂ O ₄ : M=Cu, Mn) on Ordered Microchannel Electro-Conductive Plate for High-Performance Hybrid Supercapacitors. <i>Sustainability</i> , 2021 , 13, 9896	3.6	3
1337	Porous manganese dioxide nanosheets on modified graphite felt for cathodes in high-capacity flexible Zinc-MnO ₂ batteries. <i>Vacuum</i> , 2021 , 191, 110353	3.7	3
1336	Enhancement of unidirectional forward scattering and suppression of backward scattering in hollow silicon nanoblocks. <i>Applied Optics</i> , 2021 , 60, 8737-8743	1.7	0
1335	Degradation of tetracycline in water by gas-liquid plasma in conjunction with rGO-TiO ₂ nanocomposite. <i>Plasma Science and Technology</i> , 2021 , 23, 115503	1.5	0
1334	High-sensitivity methane sensor composed of photonic quasi-crystal fiber based on surface plasmon resonance. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 1438-1442	1.8	1
1333	Plasma-activated thermosensitive biogel as an exogenous ROS carrier for post-surgical treatment of cancer. <i>Biomaterials</i> , 2021 , 276, 121057	15.6	9
1332	Insights into enhancement of photocatalytic properties of g-C ₃ N ₄ by local electric field induced by polarization of MgO(111). <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105922	6.8	5
1331	and antibacterial performance of Zr & O PIII magnesium alloys with high concentration of oxygen vacancies. <i>Bioactive Materials</i> , 2021 , 6, 3049-3061	16.7	4
1330	Waste-glass-derived silicon/CNTs composite with strong Si-C covalent bonding for advanced anode materials in lithium-ion batteries. <i>Applied Surface Science</i> , 2021 , 563, 150280	6.7	9
1329	Development and application of fuel cells in the automobile industry. <i>Journal of Energy Storage</i> , 2021 , 42, 103124	7.8	16
1328	Experimental and theoretical investigation of reconstruction and active phases on honeycombed Ni ₃ N-Co ₃ N/C in water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120461	21.8	15
1327	A high-performance electrocatalyst composed of nickel clusters encapsulated with a carbon network on TiN nanowire arrays for the oxygen evolution reaction. <i>Applied Surface Science</i> , 2021 , 567, 150779	6.7	6
1326	Hybrid photovoltaic-triboelectric nanogenerators for simultaneously harvesting solar and mechanical energies. <i>Nano Energy</i> , 2021 , 89, 106376	17.1	6
1325	Co-doped Ni ₃ S ₂ porous nanocones as high-performance bifunctional electrocatalysts in water splitting. <i>Chemical Engineering Journal</i> , 2021 , 425, 130455	14.7	12
1324	Design of bimetal-coated photonic crystal fiber filter based on surface plasmon resonance. <i>Results in Optics</i> , 2020 , 1, 100027	1	5
1323	Hierarchical 0D-2D Co/Mo Selenides as Superior Bifunctional Electrocatalysts for Overall Water Splitting. <i>Frontiers in Chemistry</i> , 2020 , 8, 382	5	17
1322	High-Potential surface on zirconia ceramics for bacteriostasis and biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111074	6	4
1321	Photochemical Activity of Black Phosphorus for Near-Infrared Light Controlled In Situ Biomineralization. <i>Advanced Science</i> , 2020 , 7, 2000439	13.6	21

1320	Design and synthesis of dendritic Co ₃ O ₄ @Co ₂ (CO ₃)(OH) ₂ nanoarrays on carbon cloth for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2020 , 55, 12091-12102	4.3	17
1319	Effects of Ion Energy and Density on the Plasma Etching-Induced Surface Area, Edge Electrical Field, and Multivacancies in MoSe Nanosheets for Enhancement of the Hydrogen Evolution Reaction. <i>Small</i> , 2020 , 16, e2001470	11	16
1318	Strain-enhanced power conversion efficiency of a BP/SnSe van der Waals heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14787-14795	3.6	7
1317	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie</i> , 2020 , 132, 14489-14493	3.6	1
1316	Sensitive and selective ctDNA detection based on functionalized black phosphorus nanosheets. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112384	11.8	15
1315	Wafer-scale growth of single-crystal graphene on vicinal Ge(001) substrate. <i>Nano Today</i> , 2020 , 34, 100908-9	7.9	14
1314	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14383-14387	16.4	35
1313	Biomimetic osteogenic peptide with mussel adhesion and osteoimmunomodulatory functions to ameliorate interfacial osseointegration under chronic inflammation. <i>Biomaterials</i> , 2020 , 255, 120197	15.6	41
1312	Nanopatterned silk-coated AZ31 magnesium alloy with enhanced antibacterial and corrosion properties. <i>Materials Science and Engineering C</i> , 2020 , 116, 111173	8.3	8
1311	Interface Engineering-Assisted 3D-Graphene/Germanium Heterojunction for High-Performance Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15606-15614	9.5	22
1310	Two-Dimensional Transition Metal Chalcogenides for Alkali Metal Ions Storage. <i>ChemSusChem</i> , 2020 , 13, 1114-1154	8.3	37
1309	Surface plasmon resonance sensor based on photonic crystal fiber with indium tin oxide film. <i>Optical Materials</i> , 2020 , 102, 109800	3.3	35
1308	Vertical kinetically oriented MoS ₂ /Mo ₂ N heterostructures on carbon cloth: a highly efficient hydrogen evolution electrocatalyst. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 2201-2207	5.8	18
1307	Photoluminescence Properties of GaN Nanowires Grown in a Gradient-Plasma Environment. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16002-16008	3.8	2
1306	Dynamic changes of hydrophobic behavior during icing. <i>Surface and Coatings Technology</i> , 2020 , 397, 126043	4.3	4
1305	Structural engineering of hierarchically hetestructured Mo ₂ C/Co conformally embedded in carbon for efficient water splitting. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22629-22637	6.7	12
1304	Toroidal dipole and magnetic multipole excitations from the same nanostructure with different direction of electric dipole emitters. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	1
1303	A zipped-up tunable metal coordinated cationic polymer for nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1350-1358	7.3	1

1302	Surface plasmon resonance (SPR) infrared sensor based on D-shape photonic crystal fibers with ITO coatings. <i>Optics Communications</i> , 2020 , 464, 125496	2	69
1301	Enhanced Peltier Effect in Wrinkled Graphene Constriction by Nano-Bubble Engineering. <i>Small</i> , 2020 , 16, e1907170	11	14
1300	Nano-second temporal particle behavior in high-power impulse magnetron sputtering discharge in a cylindrical cathode. <i>Journal of Applied Physics</i> , 2020 , 127, 023301	2.5	2
1299	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , 2020 , 140, 100543	30.9	241
1298	Multiple flocculant prepared with dealcalized red mud and fly ash: Properties and characterization. <i>Journal of Water Process Engineering</i> , 2020 , 34, 101173	6.7	8
1297	Near-infrared surface plasmon resonance sensor based on photonic crystal fiber with big open rings. <i>Optik</i> , 2020 , 207, 164466	2.5	20
1296	Edge-Rich Black Phosphorus for Photocatalytic Nitrogen Fixation. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1052-1058	6.4	36
1295	Improving the performance of light-emitting diodes via plasmonic-based strategies. <i>Journal of Applied Physics</i> , 2020 , 127, 040901	2.5	17
1294	Corrosion-resistant plasma electrolytic oxidation coating modified by Zinc phosphate and self-healing mechanism in the salt-spray environment. <i>Surface and Coatings Technology</i> , 2020 , 384, 125321	4.4	12
1293	Comparative study of TiAlN coatings deposited by different high-ionization physical vapor deposition techniques. <i>Ceramics International</i> , 2020 , 46, 10814-10819	5.1	10
1292	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. <i>Advanced Functional Materials</i> , 2020 , 30, 2002731	15.6	38
1291	Effects of Ti, Ni, and Dual Ti/Ni Plasma Immersion Ion Implantation on the Corrosion and Wear Properties of Magnesium Alloy. <i>Coatings</i> , 2020 , 10, 313	2.9	7
1290	Ultrathin hybrid nanobelts of single-crystalline VO ₂ and Poly(3,4-ethylenedioxythiophene) as cathode materials for aqueous zinc ion batteries with large capacity and high-rate capability. <i>Journal of Power Sources</i> , 2020 , 463, 228223	8.9	26
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1288	High-sensitivity SPR sensor based on the eightfold eccentric core PQF with locally coated indium tin oxide. <i>Applied Optics</i> , 2020 , 59, 6484-6489	1.7	2
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1280	Ultrathin carbon layer-encapsulated TiN nanotubes array with enhanced capacitance and electrochemical stability for supercapacitors. <i>Applied Surface Science</i> , 2020 , 503, 144293	6.7	8
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1275	A hybrid Co NPs@CNT nanocomposite as highly efficient electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2020 , 507, 145155	6.7	23
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1268	Hollow Spheres Consisting of SnS Nanosheets Conformally Coated with S-Doped Carbon for Advanced Lithium-/Sodium-Ion Battery Anodes. <i>ChemElectroChem</i> , 2020 , 7, 914-921	4.3	13
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1266	Freestanding, Hierarchical, and Porous Bilayered NaVO ₂ HO/rGO/CNT Composites as High-Performance Cathode Materials for Nonaqueous K-Ion Batteries and Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 706-716	9.5	53
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1153	Interconnected nanoporous carbon structure delivering enhanced mass transport and conductivity toward exceptional performance in supercapacitor. <i>Journal of Power Sources</i> , 2019 , 435, 226811	8.9	16
1152	Al ₂ O ₃ coating for densification of SiC ceramics and sintering kinetics. <i>Surface and Coatings Technology</i> , 2019 , 374, 603-609	4.4	5
1151	Corrosion behavior of ZnO-reinforced coating on aluminum alloy prepared by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2019 , 374, 1015-1023	4.4	12
1150	Effect of Ti interlayer on corrosion behavior of nanostructured Ti/TiN multilayer coating deposited on TiAl ₆ V ₄ . <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019 , 70, 2113-2127	1.6	4
1149	Unique Role of Arginine in Positively-Charged Surface for Promotion of Antibacterial and Osteogenetic Capabilities. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901414	4.6	1
1148	Rapid Activation of Platinum with Black Phosphorus for Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19060-19066	16.4	51
1147	Tungsten-Doped CoP Nanoneedle Arrays Grown on Carbon Cloth as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ChemElectroChem</i> , 2019 , 6, 5229-5236	4.3	23
1146	Influence of plasma excitation power on mechanical property and biocompatibility of titania/alumina composite thin films for medical implant prepared by magnetron sputtering. <i>Materials Research Express</i> , 2019 , 6, 116418	1.7	
1145	Tunable single-polarization bimetal-coated and liquid-filled photonic crystal fiber filter based on surface plasmon resonance. <i>Applied Optics</i> , 2019 , 58, 6308-6314	1.7	16
1144	Surface plasmon resonance sensor based on eccentric core photonic quasi-crystal fiber with indium tin oxide. <i>Applied Optics</i> , 2019 , 58, 6848-6853	1.7	16
1143	Photonic spin Hall effect: a new window in D-shaped fiber by weak measurements. <i>Optics Express</i> , 2019 , 27, 14064-14074	3.3	2
1142	Black Phosphorus: An Effective Feedstock for the Synthesis of Phosphorus-Based Chemicals. <i>CCS Chemistry</i> , 2019 , 1, 166-172	7.2	5
1141	Tuning Superhydrophobic Materials with Negative Surface Energy Domains. <i>Research</i> , 2019 , 2019, 1391804	9.04	10

1140	Dual-band directional scattering with all-dielectric trimer in the near-infrared region. <i>Applied Optics</i> , 2019 , 58, 5082-5089	1.7	2
1139	Fano resonances in symmetric plasmonic split-ring/ring dimer nanostructures. <i>Applied Optics</i> , 2019 , 58, 8069-8074	1.7	
1138	Rapid and scalable production of high-quality phosphorene by plasma-liquid technology. <i>Chemical Communications</i> , 2019 , 56, 221-224	5.8	15
1137	Co ₃ O ₄ and Co(OH) ₂ loaded graphene on Ni foam for high-performance supercapacitor electrode. <i>Ionics</i> , 2019 , 25, 1783-1792	2.7	11
1136	Temperature-responsive tungsten doped vanadium dioxide thin film starves bacteria to death. <i>Materials Today</i> , 2019 , 22, 35-49	21.8	18
1135	Spatially controlled synthesis of superlattice-like SnS/nitrogen-doped graphene hybrid nanobelts as high-rate and durable anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27475-27483	13	21
1134	Theoretical assessment of a highly sensitive photonic crystal fibre based on surface plasmon resonance sensor operating in the near-infrared wavelength. <i>Journal of Modern Optics</i> , 2019 , 66, 1-6	1.1	53
1133	Recent progress in nanostructured transition metal nitrides for advanced electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14-37	13	109
1132	Evolution of microstructures and properties of the GH4169 superalloy during short-term and high-temperature processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 744, 255-266	5.3	22
1131	Self-supported electrodes composed of silicon nanocrystals in 3D hierarchical carbon network for reversible sodium storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2732-2742	2.1	1
1130	A Low-Cost Metal-Free Photocatalyst Based on Black Phosphorus. <i>Advanced Science</i> , 2019 , 6, 1801321	13.6	55
1129	Black Phosphorus: Bioactive Nanomaterials with Inherent and Selective Chemotherapeutic Effects. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 769-774	16.4	73
1128	Preferential production of reactive species and bactericidal efficacy of gas-liquid plasma discharge. <i>Chemical Engineering Journal</i> , 2019 , 362, 402-412	14.7	52
1127	Conductive Mesoporous Niobium Nitride Microspheres/Nitrogen-Doped Graphene Hybrid with Efficient Polysulfide Anchoring and Catalytic Conversion for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2961-2969	9.5	47
1126	An eco-friendly and cleaner process for preparing architectural ceramics from coal fly ash: Pre-activation of coal fly ash by a mechanochemical method. <i>Journal of Cleaner Production</i> , 2019 , 214, 419-428	10.3	30
1125	Selective and high-sensitive label-free detection of ascorbic acid by carbon nitride quantum dots with intense fluorescence from lone pair states. <i>Talanta</i> , 2019 , 196, 530-536	6.2	15
1124	Air-stable n-doped black phosphorus transistor by thermal deposition of metal adatoms. <i>Nanotechnology</i> , 2019 , 30, 135201	3.4	13
1123	Activation of graphitic carbon nitride by surface discharge plasma treatment for enhanced photocatalysis. <i>Vacuum</i> , 2019 , 159, 235-238	3.7	5

1122	High-efficiency hydrogen evolution from seawater using hetero-structured T/Td phase ReS ₂ nanosheets with cationic vacancies. <i>Nano Energy</i> , 2019 , 55, 42-48	17.1	68
1121	Molybdenum diselenide/black phosphorus heterostructures for electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019 , 467-468, 328-334	6.7	34
1120	Near-infrared light control of bone regeneration with biodegradable photothermal osteoimplant. <i>Biomaterials</i> , 2019 , 193, 1-11	15.6	97
1119	Hierarchical MoS ₂ @N-Doped Carbon Hollow Spheres with Enhanced Performance in Sodium Dual-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 661-667	4.3	17
1118	Biomass-derived robust three-dimensional porous carbon for high volumetric performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 412, 1-9	8.9	100
1117	Corrosion protection and enhanced biocompatibility of biomedical Mg-Y-RE alloy coated with tin dioxide. <i>Surface and Coatings Technology</i> , 2019 , 357, 78-82	4.4	16
1116	High-ion-energy and low-temperature deposition of diamond-like carbon (DLC) coatings with pulsed kV bias. <i>Surface and Coatings Technology</i> , 2019 , 365, 152-157	4.4	14
1115	Abrasion and erosion behavior of DLC-coated oil-well tubings in a heavy oil/sand environment. <i>Surface and Coatings Technology</i> , 2019 , 357, 379-383	4.4	7
1114	Enhancement of mechanical properties and corrosion resistance of NiTi alloy by carbon plasma immersion ion implantation. <i>Surface and Coatings Technology</i> , 2019 , 365, 52-57	4.4	10
1113	Biodegradable near-infrared-photoresponsive shape memory implants based on black phosphorus nanofillers. <i>Biomaterials</i> , 2018 , 164, 11-21	15.6	73
1112	Black-Phosphorus-Incorporated Hydrogel as a Sprayable and Biodegradable Photothermal Platform for Postsurgical Treatment of Cancer. <i>Advanced Science</i> , 2018 , 5, 1700848	13.6	199
1111	Stable black phosphorus/BiO heterostructures for synergistic cancer radiotherapy. <i>Biomaterials</i> , 2018 , 171, 12-22	15.6	70
1110	Electrochemical surface engineering of titanium-based alloys for biomedical application. <i>Electrochimica Acta</i> , 2018 , 271, 699-718	6.7	126
1109	Hierarchical TiN nanoparticles-assembled nanopillars for flexible supercapacitors with high volumetric capacitance. <i>Nanoscale</i> , 2018 , 10, 8728-8734	7.7	52
1108	Tunable magnetic coupling in Mn-doped monolayer MoS under lattice strain. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 215801	1.8	5
1107	Investigation of Corrosion Behavior of Ti/TiN Multilayers on Al7075 Deposited by High-Vacuum Magnetron Sputtering in 3.5% NaCl Solution. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 2216-2225	1.6	2
1106	Few-Layer Antimonene: Anisotropic Expansion and Reversible Crystalline-Phase Evolution Enable Large-Capacity and Long-Life Na-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 1887-1893	16.7	135
1105	Barrier Reduction of Lithium Ion Tunneling through Graphene with Hybrid Defects: First-Principles Calculations. <i>Advanced Theory and Simulations</i> , 2018 , 1, 1700009	3.5	7

1104	VO /TiN Plasmonic Thermochromic Smart Coatings for Room-Temperature Applications. <i>Advanced Materials</i> , 2018 , 30, 1705421	24	131
1103	In situ growth of all-inorganic perovskite nanocrystals on black phosphorus nanosheets. <i>Chemical Communications</i> , 2018 , 54, 2365-2368	5.8	30
1102	Copolymer P(BS-co-LA) Enhanced Compatibility of PBS/PLA Composite. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 3060-3068	4.5	7
1101	In vitro antimicrobial effects and mechanisms of direct current air-liquid discharge plasma on planktonic Staphylococcus aureus and Escherichia coli in liquids. <i>Bioelectrochemistry</i> , 2018 , 121, 125-134	5.6	38
1100	Recent advances in cell-mediated nanomaterial delivery systems for photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1296-1311	7.3	17
1099	In-Plane Black Phosphorus/Dicobalt Phosphide Heterostructure for Efficient Electrocatalysis. <i>Angewandte Chemie</i> , 2018 , 130, 2630-2634	3.6	43
1098	Molecular Dynamics Simulation of Nanocrack Propagation in Single-Layer MoS2 Nanosheets. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1351-1360	3.8	33
1097	Effects of silica and Ag on the electrochemical behavior of titania-based nanocomposite coatings deposited on 2024 aluminum alloy by the sol-gel method. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 92-100	5.7	8
1096	Valence State Manipulation of Cerium Oxide Nanoparticles on a Titanium Surface for Modulating Cell Fate and Bone Formation. <i>Advanced Science</i> , 2018 , 5, 1700678	13.6	63
1095	In-Plane Black Phosphorus/Dicobalt Phosphide Heterostructure for Efficient Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2600-2604	16.4	159
1094	Electrocatalytic hydrogen evolution of palladium nanoparticles electrodeposited on nanographene coated macroporous electrically conductive network. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 2171-2183	6.7	9
1093	Dealkalization of Red Mud by Carbide Slag and Flue Gas. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1700634	1.6	8
1092	Cellular response to nano-structured Zr and ZrO alloyed layers on Ti-6Al-4V. <i>Materials Science and Engineering C</i> , 2018 , 90, 523-530	8.3	11
1091	. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2619-2625	1.3	5
1090	Control of multidrug-resistant planktonic Acinetobacter baumannii: biocidal efficacy study by atmospheric-pressure air plasma. <i>Plasma Science and Technology</i> , 2018 , 20, 065513	1.5	9
1089	Highly efficient field emission from indium-doped ZnO nanostructure on nanographene/macroporous electric conductive network. <i>Materials Letters</i> , 2018 , 222, 25-28	3.3	11
1088	Enhancement of toughness and wear resistance by CrN/CrCN multilayered coatings for wood processing. <i>Surface and Coatings Technology</i> , 2018 , 344, 204-213	4.4	40
1087	In situ Synthesis of V2O3-Intercalated N-doped Graphene Nanobelts from VOx-Amine Hybrid as High-Performance Anode Material for Alkali-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1387-1393	4.3	19

1086	Hierarchical porous carbon materials from nanosized metal-organic complex for high-performance symmetrical supercapacitor. <i>Electrochimica Acta</i> , 2018 , 269, 580-589	6.7	40
1085	Heterogeneous phosphorus-doped WO ₃ /nitrogen-doped carbon nanowires with high rate and long life for advanced lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6916-6921	13	38
1084	Oriented MoS ₂ Nanoflakes on N-Doped Carbon Nanosheets Derived from Dodecylamine-Intercalated MoO ₃ for High-Performance Lithium-Ion Battery Anodes. <i>ChemElectroChem</i> , 2018 , 5, 1350-1356	4.3	18
1083	Analysis of a Surface Plasmon Resonance Probe Based on Photonic Crystal Fibers for Low Refractive Index Detection. <i>Plasmonics</i> , 2018 , 13, 779-784	2.4	100
1082	Preparation and effectiveness of slow-release silicon fertilizer by sintering with iron ore tailings. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1011-1019	2.5	9
1081	Effects of dopant separation on electronic states and magnetism in monolayer MoS ₂ . <i>Applied Surface Science</i> , 2018 , 428, 226-232	6.7	12
1080	High-performance asymmetrical supercapacitor composed of rGO-enveloped nickel phosphite hollow spheres and N/S co-doped rGO aerogel. <i>Nano Research</i> , 2018 , 11, 1651-1663	10	41
1079	Lanthanide-Coordinated Black Phosphorus. <i>Small</i> , 2018 , 14, e1801405	11	49
1078	Tantalum nitride films for corrosion protection of biomedical Mg-Y-RE alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 764, 947-958	5.7	14
1077	Symmetrical dual D-shape photonic crystal fibers for surface plasmon resonance sensing. <i>Optics Express</i> , 2018 , 26, 9039-9049	3.3	146
1076	Birefringent PCF-Based SPR Sensor for a Broad Range of Low Refractive Index Detection. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1471-1474	2.2	31
1075	Oxygen Vacancy Enhanced Gas-Sensing Performance of CeO/Graphene Heterostructure at Room Temperature. <i>Analytical Chemistry</i> , 2018 , 90, 9821-9829	7.8	49
1074	Construction of perfluorohexane/IR780@liposome coating on Ti for rapid bacteria killing under permeable near infrared light. <i>Biomaterials Science</i> , 2018 , 6, 2460-2471	7.4	19
1073	Roles of membrane protein damage and intracellular protein damage in death of bacteria induced by atmospheric-pressure air discharge plasmas.. <i>RSC Advances</i> , 2018 , 8, 21139-21149	3.7	14
1072	Black Phosphorus: Lanthanide-Coordinated Black Phosphorus (Small 29/2018). <i>Small</i> , 2018 , 14, 1870134	11	2
1071	Controlled-temperature photothermal and oxidative bacteria killing and acceleration of wound healing by polydopamine-assisted Au-hydroxyapatite nanorods. <i>Acta Biomaterialia</i> , 2018 , 77, 352-364	10.8	111
1070	Precisely controlled delivery of magnesium ions thru sponge-like monodisperse PLGA/nano-MgO-alginate core-shell microsphere device to enable in-situ bone regeneration. <i>Biomaterials</i> , 2018 , 174, 1-16	15.6	92
1069	In Situ Synthesis of MoP Nanoflakes Intercalated N-Doped Graphene Nanobelts from MoO ₃ -Amine Hybrid for High-Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2018 , 14, e1800667	11	66

1068	Magnetron-sputtered fluorocarbon polymeric film on magnesium for corrosion protection. <i>Surface and Coatings Technology</i> , 2018 , 352, 437-444	4.4	11
1067	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018 , 53, 66-73	17.1	72
1066	Ni/Co-based nanosheet arrays for efficient oxygen evolution reaction. <i>Nano Energy</i> , 2018 , 52, 360-368	17.1	88
1065	Zinc-Modified Sulfonated Polyetheretherketone Surface with Immunomodulatory Function for Guiding Cell Fate and Bone Regeneration. <i>Advanced Science</i> , 2018 , 5, 1800749	13.6	102
1064	Morphological control of gold nanorods via thermally driven bi-surfactant growth and application for detection of heavy metal ions. <i>Nanotechnology</i> , 2018 , 29, 334001	3.4	5
1063	Tuning the Bandgap of Photo-Sensitive Polydopamine/AgPO/Graphene Oxide Coating for Rapid, Noninvasive Disinfection of Implants. <i>ACS Central Science</i> , 2018 , 4, 724-738	16.8	168
1062	Highly sensitive PCF-SPR biosensor for hyperthermia temperature monitoring. <i>Journal of Optics (India)</i> , 2018 , 47, 288-294	1.3	6
1061	Spatially confined synthesis of vanadium nitride nanodots intercalated carbon nanosheets with ultrahigh volumetric capacitance and long life for flexible supercapacitors. <i>Nano Energy</i> , 2018 , 51, 128-136	17.1	64
1060	Multiple unidirectional forward scattering of hybrid metal-dielectric nanoantenna in the near-infrared region. <i>Optical Materials Express</i> , 2018 , 8, 3410	2.6	1
1059	Nano Ag/ZnO-Incorporated Hydroxyapatite Composite Coatings: Highly Effective Infection Prevention and Excellent Osteointegration. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1266-1277	9.5	96
1058	2D Material-Based Nanofibrous Membrane for Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1155-1163	9.5	22
1057	Excellent adhered thick diamond-like carbon coatings by optimizing hetero-interfaces with sequential highly energetic Cr and C ion treatment. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 155-162	5.7	22
1056	Surface functionalization of biomaterials by plasma and ion beam. <i>Surface and Coatings Technology</i> , 2018 , 336, 2-8	4.4	18
1055	Effects of copper nanoparticles in porous TiO coatings on bacterial resistance and cytocompatibility of osteoblasts and endothelial cells. <i>Materials Science and Engineering C</i> , 2018 , 82, 110-120	8.3	54
1054	Rapid Sterilization and Accelerated Wound Healing Using Zn ²⁺ and Graphene Oxide Modified g-C ₃ N ₄ under Dual Light Irradiation. <i>Advanced Functional Materials</i> , 2018 , 28, 1800299	15.6	173
1053	In Silico Screening and Design of Coating Materials for PEMFC Bipolar Plates. <i>Coatings</i> , 2018 , 8, 386	2.9	1
1052	Tunable band offsets in the BP/PO van der Waals heterostructure: first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29931-29938	3.6	5
1051	Sequentially Triggered Delivery System of Black Phosphorus Quantum Dots with Surface Charge-Switching Ability for Precise Tumor Radiosensitization. <i>ACS Nano</i> , 2018 , 12, 12401-12415	16.7	70

1050	Degradable and Photocatalytic Antibacterial Au-TiO ₂ /Sodium Alginate Nanocomposite Films for Active Food Packaging. <i>Nanomaterials</i> , 2018 , 8,	5.4	27
1049	Improving of tribology properties of TiAl6V4 with nanostructured Ti/TiN-multilayered coating deposited by high-vacuum magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	1
1048	A CRISPR-Cas9-triggered strand displacement amplification method for ultrasensitive DNA detection. <i>Nature Communications</i> , 2018 , 9, 5012	17.4	148
1047	Black Phosphorus: Bioactive Nanomaterials with Inherent and Selective Chemotherapeutic Effects. <i>Angewandte Chemie</i> , 2018 , 131, 779	3.6	4
1046	Seamless lateral graphene p-n junctions formed by selective in situ doping for high-performance photodetectors. <i>Nature Communications</i> , 2018 , 9, 5168	17.4	48
1045	Highly Fluorescent and Stable Black Phosphorus Quantum Dots in Water. <i>Small</i> , 2018 , 14, e1803132	11	39
1044	Highly Luminescent and Stable Si-Based CsPbBr ₃ Quantum Dot Thin Films Prepared by Glow Discharge Plasma with Real-Time and In Situ Diagnosis. <i>Advanced Functional Materials</i> , 2018 , 28, 1805214	15.6	10
1043	Sn-C bonding riveted SnSe nanoplates vertically grown on nitrogen-doped carbon nanobelts for high-performance sodium-ion battery anodes. <i>Nano Energy</i> , 2018 , 54, 322-330	17.1	100
1042	Highly Stretchable Conductive Glue for High-Performance Silicon Anodes in Advanced Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704858	15.6	90
1041	Black Phosphorus/Platinum Heterostructure: A Highly Efficient Photocatalyst for Solar-Driven Chemical Reactions. <i>Advanced Materials</i> , 2018 , 30, e1803641	24	77
1040	Noninvasive rapid bacteria-killing and acceleration of wound healing through photothermal/photodynamic/copper ion synergistic action of a hybrid hydrogel. <i>Biomaterials Science</i> , 2018 , 6, 2110-2121	7.4	110
1039	Synthesis of lipid-black phosphorus quantum dot bilayer vesicles for near-infrared-controlled drug release. <i>Chemical Communications</i> , 2018 , 54, 6060-6063	5.8	37
1038	Flexible NbN/rGO Electrode for High-Performance Solid State Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 30-38	1.3	15
1037	Neuromorphic Computing with Memristor Crossbar. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700875	1.6	31
1036	The effect of copper pretreatment on graphene synthesis by ion implantation into Ni/Cu substrate. <i>Semiconductor Science and Technology</i> , 2018 , 33, 074001	1.8	
1035	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. <i>Nature Communications</i> , 2018 , 9, 2055	17.4	99
1034	Ag/AgBr-loaded mesoporous silica for rapid sterilization and promotion of wound healing. <i>Biomaterials Science</i> , 2018 , 6, 1735-1744	7.4	50
1033	A promising orthopedic implant material with enhanced osteogenic and antibacterial activity: Al ₂ O ₃ -coated aluminum alloy. <i>Applied Surface Science</i> , 2018 , 457, 1025-1034	6.7	21

1032	Ultrafast hetero-assembly of monolithic interwoven V2O5 nanobelts/carbon nanotubes architectures for high-energy alkali-ion batteries. <i>Journal of Power Sources</i> , 2018 , 395, 295-304	8.9	30
1031	Core-shell CoMoO4@Ni(OH)2 on ordered macro-porous electrode plate for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018 , 283, 538-547	6.7	20
1030	Hard and adherent a-C:H gradient coatings by stress engineering. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 921-926	5.7	11
1029	Near-infrared light-triggered drug delivery system based on black phosphorus for in vivo bone regeneration. <i>Biomaterials</i> , 2018 , 179, 164-174	15.6	72
1028	Recent advances in anti-infection surfaces fabricated on biomedical implants by plasma-based technology. <i>Surface and Coatings Technology</i> , 2017 , 312, 2-6	4.4	12
1027	Bactericidal Effects of Plasma Induced Reactive Species in Dielectric Barrier Gas-Liquid Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2017 , 37, 415-431	3.6	46
1026	Cold atmospheric-pressure air plasma treatment of C6 glioma cells: effects of reactive oxygen species in the medium produced by the plasma on cell death. <i>Plasma Science and Technology</i> , 2017 , 19, 025503	1.5	6
1025	Zinc Electrodeposition on Polycrystalline Copper: Electrochemical Study of Early-Stage Growth Mechanism. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3938-3946	3.8	11
1024	Tin repellence on wave-soldering stainless steel holders coated with Ti/TiC/DLC. <i>Surface and Coatings Technology</i> , 2017 , 320, 614-618	4.4	4
1023	TiL -Coordinated Black Phosphorus Quantum Dots as an Efficient Contrast Agent for In Vivo Photoacoustic Imaging of Cancer. <i>Small</i> , 2017 , 13, 1602896	11	198
1022	Hierarchical Porous Carbon Materials Derived from Self-Template Bamboo Leaves for Lithium-Sulfur Batteries. <i>Electrochimica Acta</i> , 2017 , 229, 352-360	6.7	44
1021	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. <i>Nanotechnology</i> , 2017 , 28, 105301	3.4	47
1020	Fabrication of irregular-layer-free and diameter-tunable NiTiOx nanopores by anodization of NiTi alloy. <i>Electrochemistry Communications</i> , 2017 , 76, 10-14	5.1	21
1019	Osteogenesis Catalyzed by Titanium-Supported Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5149-5157	9.5	45
1018	Tensile loading induced phase transition and rippling in single-layer MoS2. <i>Applied Surface Science</i> , 2017 , 404, 180-187	6.7	15
1017	Ge@CNFs Anchored on 3D Graphene Foam for Binder-Free and High-Efficiency Anodes in Li-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1002-1006	4.3	5
1016	Different-sized black phosphorus nanosheets with good cytocompatibility and high photothermal performance. <i>RSC Advances</i> , 2017 , 7, 14618-14624	3.7	47
1015	Direct anodic exfoliation of graphite onto high-density aligned graphene for large capacity supercapacitors. <i>Nano Energy</i> , 2017 , 34, 515-523	17.1	49

1014	Antibacterial effects of titanium embedded with silver nanoparticles based on electron-transfer-induced reactive oxygen species. <i>Biomaterials</i> , 2017 , 124, 25-34	15.6	152
1013	Efficient Enrichment and Self-Assembly of Hybrid Nanoparticles into Removable and Magnetic SERS Substrates for Sensitive Detection of Environmental Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7472-7480	9.5	54
1012	Vertically-oriented few-layer graphene supported by silicon microchannel plates as a counter electrode in dye-sensitized solar cells. <i>Organic Electronics</i> , 2017 , 45, 74-80	3.5	9
1011	In vitro antimicrobial effects and mechanism of atmospheric-pressure He/O ₂ plasma jet on <i>Staphylococcus aureus</i> biofilm. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 105201	3	32
1010	Imaging and motion of cathode group spots during pulse-enhanced vacuum arc evaporation. <i>Vacuum</i> , 2017 , 139, 37-43	3.7	8
1009	Functionalized Polymeric Membrane with Enhanced Mechanical and Biological Properties to Control the Degradation of Magnesium Alloy. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601269	10.1	32
1008	In situ segregation of cobalt nanoparticles on VN nanosheets via nitriding of Co ₂ V ₂ O ₇ nanosheets as efficient oxygen evolution reaction electrocatalysts. <i>Nano Energy</i> , 2017 , 34, 1-7	17.1	81
1007	In situ fabrication of Ni nanoparticles on N-doped TiO nanowire arrays by nitridation of NiTiO for highly sensitive and enzyme-free glucose sensing. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1779-1786	7.3	15
1006	Effects of high concentration of Benzotriazole on corrosion behavior of nanostructured titania-alumina composite coating deposited on Al 2024 by sol-gel method. <i>Surface and Coatings Technology</i> , 2017 , 321, 36-44	4.4	23
1005	Cell-borne 2D nanomaterials for efficient cancer targeting and photothermal therapy. <i>Biomaterials</i> , 2017 , 133, 37-48	15.6	54
1004	Designing Core-Shell Gold and Selenium Nanocomposites for Cancer Radiochemotherapy. <i>ACS Nano</i> , 2017 , 11, 4848-4858	16.7	124
1003	Long-term antibacterial characteristics and cytocompatibility of titania nanotubes loaded with Au nanoparticles without photocatalytic effects. <i>Applied Surface Science</i> , 2017 , 414, 230-237	6.7	19
1002	Fabrication of Ni-Ti-O nanoporous film on NiTi alloy in ethylene glycol containing NaCl. <i>Surface and Coatings Technology</i> , 2017 , 321, 136-145	4.4	12
1001	Ultrahigh quantum efficiency photodetector and ultrafast reversible surface wettability transition of square In ₂ O ₃ nanowires. <i>Nano Research</i> , 2017 , 10, 2772-2781	10	19
1000	Effects of one-step hydrothermal treatment on the surface morphology and corrosion resistance of ZK60 magnesium alloy. <i>Surface and Coatings Technology</i> , 2017 , 309, 490-496	4.4	22
999	Facet-engineered CeO ₂ /graphene composites for enhanced NO ₂ gas-sensing. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6973-6981	7.1	20
998	Nickel plasma modification of graphene for high-performance non-enzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 842-850	8.5	22
997	Relationship between Ni release and cytocompatibility of Ni-Ti-O nanotubes prepared on biomedical NiTi alloy. <i>Corrosion Science</i> , 2017 , 123, 209-216	6.8	27

996	Germanium-Assisted Direct Growth of Graphene on Arbitrary Dielectric Substrates for Heating Devices. <i>Small</i> , 2017 , 13, 1700929	11	26
995	Dual carbon layer hybridized mesoporous tin hollow spheres for fast-rechargeable and highly-stable lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14422-14429	13	34
994	The controlled drug release by pH-sensitive molecularly imprinted nanospheres for enhanced antibacterial activity. <i>Materials Science and Engineering C</i> , 2017 , 77, 84-91	8.3	33
993	Antibacterial, osteogenic, and angiogenic activities of SrTiO nanotubes embedded with AgO nanoparticles. <i>Materials Science and Engineering C</i> , 2017 , 75, 1049-1058	8.3	30
992	Excellent corrosion resistance of P and Fe modified micro-arc oxidation coating on Al alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 452-459	5.7	38
991	Targeting ETS1 with RNAi-based supramolecular nanoassemblies for multidrug-resistant breast cancer therapy. <i>Journal of Controlled Release</i> , 2017 , 253, 110-121	11.7	36
990	Lanthanide-integrated supramolecular polymeric nanoassembly with multiple regulation characteristics for multidrug-resistant cancer therapy. <i>Biomaterials</i> , 2017 , 129, 83-97	15.6	31
989	Three-dimensional graphene nanosheets supported by NiO/Si-MCP as electrode materials for high-performance supercapacitors. <i>Ionics</i> , 2017 , 23, 2185-2191	2.7	
988	Fully degradable PLA-based composite reinforced with 2D-braided Mg wires for orthopedic implants. <i>Composites Science and Technology</i> , 2017 , 142, 180-188	8.6	27
987	Three-dimensional tetra-subo-like Co(OH) ₂ nanorods on a macroporous electrically conductive network as an efficient electroactive framework for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2629-2639	13	28
986	Biofunctionalization of carbon nanotubes/chitosan hybrids on Ti implants by atom layer deposited ZnO nanostructures. <i>Applied Surface Science</i> , 2017 , 400, 14-23	6.7	79
985	Microstructure and mechanical properties of (AlTi) _x N _{1-x} films by magnetic-field-enhanced high power impulse magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 021402	2.9	6
984	Freestanding hollow double-shell Se@CN _x nanobelts as large-capacity and high-rate cathodes for Li-Se batteries. <i>Nano Energy</i> , 2017 , 32, 1-9	17.1	86
983	Enhancement of Ferromagnetism in Nonmagnetic Metal Oxide Nanoparticles by Facet Engineering. <i>Small</i> , 2017 , 13, 1602951	11	7
982	Protein-assisted assembly of mesoporous nanocrystals and carbon nanotubes for self-supporting high-performance sodium electrodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2749-2758	13	21
981	A Highly Sensitive Dual-Core Photonic Crystal Fiber Based on a Surface Plasmon Resonance Biosensor with Silver-Graphene Layer. <i>Plasmonics</i> , 2017 , 12, 1847-1853	2.4	49
980	Identification of Lattice Oxygen in Few-Layer Black Phosphorous Exfoliated in Ultrahigh Vacuum and Largely Improved Ambipolar Field-Effect Mobilities by Hydrogenation and Phosphorization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39804-39811	9.5	9
979	Three-dimensional CoMoO ₄ nanorods/nanographene composites on a Ni coated macroporous electrically conductive network with excellent electrochemical performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017 , 226, 177-187	3.1	6

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977	Reduction in Chemical Oxygen Demand of TNT Red Water Using Layered Double Hydroxide Prepared from Red Mud and Brucite. <i>Environmental Engineering Science</i> , 2017 , 34, 721-730	2	2
976	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36199-36205	9.5	39
975	Metal-Ion-Modified Black Phosphorus with Enhanced Stability and Transistor Performance. <i>Advanced Materials</i> , 2017 , 29, 1703811	24	353
974	Balancing Bacteria-Osteoblast Competition through Selective Physical Puncture and Biofunctionalization of ZnO/Polydopamine/Arginine-Glycine-Aspartic Acid-Cysteine Nanorods. <i>ACS Nano</i> , 2017 , 11, 11250-11263	16.7	178
973	Improved interfacial adhesion between TiAlN/DLC multi-layered coatings by controlling the morphology via bias. <i>Surface and Coatings Technology</i> , 2017 , 331, 15-20	4.4	8
972	Tannic Acid/Fe/Ag Nanofilm Exhibiting Superior Photodynamic and Physical Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39657-39671	9.5	55
971	Photo-Inspired Antibacterial Activity and Wound Healing Acceleration by Hydrogel Embedded with Ag/Ag@AgCl/ZnO Nanostructures. <i>ACS Nano</i> , 2017 , 11, 9010-9021	16.7	416
970	Self-assembled bundled TiO nanowire arrays encapsulated with indium tin oxide for broadband absorption in plasmonic photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27059-27064	3.6	3
969	Elucidating the Intercalation Pseudocapacitance Mechanism of MoS-Carbon Monolayer Interoverlapped Superstructure: Toward High-Performance Sodium-Ion-Based Hybrid Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32745-32755	9.5	118
968	Freestanding carbon encapsulated mesoporous vanadium nitride nanowires enable highly stable sulfur cathodes for lithium-sulfur batteries. <i>Nano Energy</i> , 2017 , 40, 655-662	17.1	128
967	Self-assembly and enhanced visible-light-driven photocatalytic activity of reduced graphene oxide-Bi ₂ WO ₆ photocatalysts. <i>Nanotechnology Reviews</i> , 2017 , 6, 505-516	6.3	10
966	Two-dimensional black phosphorus: Synthesis, modification, properties, and applications. <i>Materials Science and Engineering Reports</i> , 2017 , 120, 1-33	30.9	102
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885	Plasma Surface Modification of Magnesium-Based and Related Materials 2016 , 329-330		
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878	Plasma and ion-beam modification of metallic biomaterials for improved anti-bacterial properties. <i>Surface and Coatings Technology</i> , 2016 , 306, 140-146	4.4	16
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856	The modulation of stem cell behaviors by functionalized nanoceramic coatings on Ti-based implants. <i>Bioactive Materials</i> , 2016 , 1, 65-76	16.7	19
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854	Electrochemical degradation and extraction capability of magnesium wastes in sewage treatment. <i>Materials and Design</i> , 2016 , 111, 537-540	8.1	3
853	Lithiation Kinetics in High-Performance Porous Vanadium Nitride Nanosheet Anode. <i>Electrochimica Acta</i> , 2016 , 214, 201-207	6.7	25

852	Anomalous but massive removal of two organic dye pollutants simultaneously. <i>Journal of Hazardous Materials</i> , 2016 , 318, 54-60	12.8	21
851	Biomedical Applications of Functionalized ZnO Nanomaterials: from Biosensors to Bioimaging. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500494	4.6	111
850	Folate-bovine serum albumin functionalized polymeric micelles loaded with superparamagnetic iron oxide nanoparticles for tumor targeting and magnetic resonance imaging. <i>Acta Biomaterialia</i> , 2015 , 15, 117-26	10.8	67
849	Bio-tribological properties and cytocompatibility of TiBiN coatings. <i>Vacuum</i> , 2015 , 115, 50-57	3.7	9
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846	Enhanced osteointegration on tantalum-implanted polyetheretherketone surface with bone-like elastic modulus. <i>Biomaterials</i> , 2015 , 51, 173-183	15.6	152
845	Quantum confinement effects across two-dimensional planes in MoS2 quantum dots. <i>Applied Physics Letters</i> , 2015 , 106, 233113	3.4	136
844	Balancing the Osteogenic and Antibacterial Properties of Titanium by Codoping of Mg and Ag: An in Vitro and in Vivo Study. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17826-36	9.5	58
843	Effects of Al and N plasma immersion ion implantation on surface microhardness, oxidation resistance and antibacterial characteristics of Cu. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 1944-1949	3.3	7
842	Facet-controlled synthesis and facet-dependent photocatalytic properties of SnO2 micropolyhedrons. <i>Applied Surface Science</i> , 2015 , 349, 798-804	6.7	25
841	Structure, molecular simulation, and release of aspirin from intercalated Zn-Al-layered double hydroxides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 135, 339-345	6	29
840	Evaluation of corrosion resistance and cytocompatibility of graded metal carbon film on Ti and NiTi prepared by hybrid cathodic arc/glow discharge plasma-assisted chemical vapor deposition. <i>Corrosion Science</i> , 2015 , 97, 126-138	6.8	32
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832	Enhanced cytocompatibility of silver-containing biointerface by constructing nitrogen functionalities. <i>Applied Surface Science</i> , 2015 , 349, 327-332	6.7	8
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