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List of PR Articles by Year in descending order

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74

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5699

doc citations

77578

38

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6859

citing authors

#	ARTICLE	IF	PR CITATIONS
19	Recent Advance in Carbon Dots: From Properties to Applications. Chinese Journal of Chemistry, 2021, 39, 1364-1388.	6.3	41
20	Silver nanocubes monolayers as a SERS substrate for quantitative analysis. Chinese Chemical Letters, 2021, 32, 1497-1501.	7.4	43
21	Gram-scale Synthesis of Highly Efficient Rare-earth-free Red/Green/Blue Solid-state Bandgap Fluorescent Carbon Quantum Rings for White Light-emitting Diodes. Angewandte Chemie - International Edition, 2021, 60, 16343-16348.	14.1	104
22	Applications of carbon dots on tumour theranostics. View, 2021, 2, .	9.7	41
23	Red Phosphorescent Carbon Quantum Dot Organic Framework-Based Electroluminescent Light-Emitting Diodes Exceeding 5% External Quantum Efficiency. Journal of the American Chemical Society, 2021, 143, 18941-18951.	15.1	106
24	Carbon dots: a booming material for biomedical applications. Materials Chemistry Frontiers, 2020, 4, 821-836.	6.1	221
25	Vertically aligned NiS ₂ /CoS ₂ /MoS ₂ nanosheet array as an efficient and low-cost electrocatalyst for hydrogen evolution reaction in alkaline media. Science Bulletin, 2020, 65, 359-366.	9.6	65
26	A flower-like CoS ₂ /MoS ₂ heteronanosheet array as an active and stable electrocatalyst toward the hydrogen evolution reaction in alkaline media. RSC Advances, 2020, 10, 8973-8981.	4.4	24
27	Large-scale fabrication of robust textile triboelectric nanogenerators. Nano Energy, 2020, 71, 104605.	16.2	162
28	Layered Assembly of Silver Nanocubes/Polyelectrolyte/Gold Film as an Efficient Substrate for Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2020, 3, 1934-1941.	5.3	21
29	Recent advances in white light-emitting diodes of carbon quantum dots. Nanoscale, 2020, 12, 4826-4832.	5.0	130
30	Large-scale Smart Carpet for Self-powered Fall Detection. Advanced Materials Technologies, 2020, 5, .	5.9	51
31	Piezotronics modulates high sensitivity relative humidity sensor based on single tellurium microwire. Semiconductor Science and Technology, 2019, 34, 075011.	2.2	6
32	Hybrid piezo/triboelectric nanogenerator for highly efficient and stable rotation energy harvesting. Nano Energy, 2019, 57, 440-449.	16.2	211
33	Flexible Li-doped ZnO piezotronic transistor array for in-plane strain mapping. Nano Energy, 2019, 55, 341-347.	16.2	32
34	Effects of the Structure of TiO ₂ Nanotube Arrays on Its Catalytic Activity for Microbial Fuel Cell. Global Challenges, 2019, 3, .	5.2	7
35	Triboelectric Nanogenerator-Enabled Dendrite-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 802-810.	8.0	21
36	Highly Ordered Hierarchical Pt and PtNi Nanowire Arrays for Enhanced Electrocatalytic Activity toward Methanol Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 9444-9450.	8.0	59

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37	Magnetic-Induced Piezopotential Gated MoS ₂ Field-Effect Transistor at Room Temperature. <i>Advanced Materials</i> , 2018, 30, .	24.3	56
38	AuPt Nanoparticles Clusters on MWCNTs with Enhanced Electrocatalytic Activity for Methanol Oxidation. <i>Catalysts</i> , 2018, 8, 669.	3.8	7
39	Remarkably enhanced triboelectric nanogenerator based on flexible and transparent monolayer titania nanocomposite. <i>Nano Energy</i> , 2018, 50, 140-147.	16.2	147
40	Self-powered electrochromic devices with tunable infrared intensity. <i>Science Bulletin</i> , 2018, 63, 795-801.	9.6	54
41	A flexible p-CuO/n-MoS ₂ heterojunction photodetector with enhanced photoresponse by the piezo-phototronic effect. <i>Materials Horizons</i> , 2017, 4, 274-280.	10.3	157
42	Ultrastretchable, transparent triboelectric nanogenerator as electronic skin for biomechanical energy harvesting and tactile sensing. <i>Science Advances</i> , 2017, 3, .	11.2	1,119
43	Metal/TiO ₂ hierarchical nanocomposite arrays for the remarkable enhancement of photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 16535-16541.	4.4	6
44	Piezotronic-effect-enhanced Ag ₂ S/ZnO photocatalyst for organic dye degradation. <i>RSC Advances</i> , 2017, 7, 48176-48183.	4.4	44
45	Piezo-Phototronic Matrix via a Nanowire Array. <i>Small</i> , 2017, 13, .	11.5	16
46	Switching Molecular Conformation with the Torque on a Single Magnetic Moment. <i>Physical Review Letters</i> , 2017, 119, .	8.3	17
47	Core-Shell-Yarn-Based Triboelectric Nanogenerator Textiles as Power Cloths. <i>ACS Nano</i> , 2017, 11, 12764-12771.	15.3	251
48	Three-dimensional Porous Palladium Foam-like Nanostructures as Electrocatalysts for Glucose Biofuel Cells. <i>Energy Technology</i> , 2016, 4, 249-255.	3.4	7
49	Self-Powered Random Number Generator Based on Coupled Triboelectric and Electrostatic Induction Effects at the Liquid-Dielectric Interface. <i>ACS Nano</i> , 2016, 10, 11434-11441.	15.3	33
50	Corrigendum to "Three-dimensional Pt _x Ni _{1-x} nanoclusters supported on multiwalled carbon nanotubes in enzyme-free glucose biofuel cells" <i>Journal of Power Sources</i> 296 (2015) 30-39. <i>Journal of Power Sources</i> , 2016, 305, 167.	8.0	0
51	Piezo-phototronic effect enhanced UV photodetector based on CuI/ZnO double-shell grown on flexible copper microwire. <i>Nanoscale Research Letters</i> , 2016, 11, .	3.9	43
52	Raman study of 2D anatase TiO ₂ nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32178-32184.	2.8	79
53	Interface engineering on p-CuI/n-ZnO heterojunction for enhancing piezoelectric and piezo-phototronic performance. <i>Nano Energy</i> , 2016, 26, 417-424.	16.2	125
54	Flexible Self-Powered GaN Ultraviolet Photoswitch with Piezo-Phototronic Effect Enhanced On/Off Ratio. <i>ACS Nano</i> , 2016, 10, 1572-1579.	15.3	258

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55	Improvement in the Piezoelectric Performance of a ZnO Nanogenerator by a Combination of Chemical Doping and Interfacial Modification. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6971-6977.	3.1	89
56	Triboelectric Nanogenerator as a Self-Powered Communication Unit for Processing and Transmitting Information. <i>ACS Nano</i> , 2016, 10, 3944-3950.	15.3	71
57	Lattice Strain Induced Remarkable Enhancement in Piezoelectric Performance of ZnO-Based Flexible Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1381-1387.	8.0	157
58	Synthesis and Structure of $\text{LaSc}_2\text{N@C}_{80}$ with One Heptagon and Thirteen Pentagons. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 495-499.	14.1	73
59	Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect. <i>Advanced Materials</i> , 2015, 27, 4488-4495.	24.3	149
60	Synthesis and Structure of $\text{LaSc}_2\text{N@C}_{80}$ with One Heptagon and Thirteen Pentagons. <i>Angewandte Chemie</i> , 2015, 127, 505-509.	1.4	21
61	Magnetic anisotropy of endohedral lanthanide ions: paramagnetic NMR study of $\text{MSc}_2\text{N@C}_{80}$ with M running through the whole 4f row. <i>Chemical Science</i> , 2015, 6, 2328-2341.	7.2	57
62	Three-dimensional $\text{Pt}_x\text{Ni}_{1-x}$ nanoclusters supported on multiwalled carbon nanotubes in enzyme-free glucose biofuel cells. <i>Journal of Power Sources</i> , 2015, 296, 30-39.	8.0	18
63	High-Resolution Dynamic Pressure Sensor Array Based on Piezo-phototronic Effect Tuned Photoluminescence Imaging. <i>ACS Nano</i> , 2015, 9, 3143-3150.	15.3	135
64	Endohedral fullerene with C_{43} -carbido ligand and titanium-carbon double bond stabilized inside a carbon cage. <i>Nature Communications</i> , 2014, 5, .	13.9	87
65	Endohedral metal or a fullerene cage based oxidation? Redox duality of nitride clusterfullerenes $\text{Ce}_x\text{M}_{3-x}\text{N@C}_{80}$ ($x = 1, 2$; $M = \text{Sc}$ and Y) dictated by the encaged metals and the carbon cage size. <i>Nanoscale</i> , 2014, 6, 1038-1048.	5.0	22
66	The Metallofullerene Field-Induced Single-Ion Magnet $\text{HoSc}_2\text{N@C}_{80}$. <i>Chemistry - A European Journal</i> , 2014, 20, 13536-13540.	3.3	69
67	Cluster-size dependent internal dynamics and magnetic anisotropy of Ho ions in $\text{HoM}_2\text{N@C}_{80}$ and $\text{Ho}_2\text{MN@C}_{80}$ families ($M = \text{Sc}, \text{Lu}, \text{Y}$). <i>Nanoscale</i> , 2014, 6, 11431-11438.	5.0	29
68	Transition-Metal and Rare-Earth-Metal Redox Couples inside Carbon Cages: Fullerenes Acting as Innocent Ligands. <i>Organometallics</i> , 2014, 33, 4537-4549.	2.9	20
69	Self-powered acoustic source locator in underwater environment based on organic film triboelectric nanogenerator. <i>Nano Research</i> , 2014, 8, 765-773.	8.5	97
70	Strain-Driven Endohedral Redox Couple CeIV/CeIII in Nitride Clusterfullerenes $\text{CeM}_2\text{N@C}_{80}$ ($M = \text{Sc}, \text{Y}$). <i>Journal of the American Chemical Society</i> , 2014, 136, 10000-10007.	4.6	27
71	Synthesis, Isolation, and Spectroscopic Characterization of Holmium-Based Mixed-Metal Nitride Clusterfullerenes: $\text{Ho}_x\text{Sc}_{3-x}\text{N@C}_{80}$ ($x = 1, 2$). <i>Chemistry - A European Journal</i> , 2012, 18, 9691-9698.	3.3	21
72	Piezophototronic Effect-Induced Dual-Mode Light and Ultrasound Emissions from ZnS:Mn/PMN Thin-Film Structures. <i>Advanced Materials</i> , 2012, 24, 1729-1735.	24.3	157

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73	Single-Crystalline C ₆₀ Nanostructures by Sonophysical Preparation: Tuning Hollow Nanobowls as Catalyst Supports for Methanol Oxidation. Chemistry - A European Journal, 2011, 17, 4921-4926.	3.3	28
74	Template-free solution growth of highly regular, crystal orientation-ordered C ₆₀ nanorod bundles. Journal of Materials Chemistry, 2010, 20, 953-956.	7.7	21