

Shishanwu Wu

List of Publications by Year in descending order

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80
papers

2,792
citations

186265

28
h-index

189892

50
g-index

80
all docs

80
docs citations

80
times ranked

3776
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial fluorescent nano-sized lanthanum-doped carbon quantum dot embedded polyvinyl alcohol for accelerated wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 973-983.	9.4	28
2	Dual enzyme-mimic nanozyme based on single-atom construction strategy for photothermal-augmented nanocatalytic therapy in the second near-infrared biowindow. <i>Biomaterials</i> , 2022, 281, 121325.	11.4	66
3	Local photothermal/photodynamic synergistic antibacterial therapy based on two-dimensional BP@CQDs triggered by single NIR light source. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 39, 102905.	2.6	8
4	Preparation of a three-dimensional modified graphene oxide via RAFT polymerization for reinforcing cement composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125925.	4.7	12
5	Two dimensional BP@AuNP nanocomposites for photothermal/photodynamic therapy mediated wound disinfection and infected wound healing under a single light source. <i>New Journal of Chemistry</i> , 2021, 45, 18124-18130.	2.8	10
6	Tumor Microenvironment-Activatable Cyclic Cascade Reaction to Reinforce Multimodal Combination Therapy by Destroying the Extracellular Matrix. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12960-12971.	8.0	33
7	Metal-Organic Framework (MOF)-Assisted Construction of Core-Shell Nanoflower-like CuO/CF@NiCoMn-OH for High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2021, 35, 8387-8395.	5.1	35
8	A ZIF-8 Host for Dendrite-Free Zinc Anodes and N,O Dual-doped Carbon Cathodes for High-Performance Zinc-Ion Hybrid Capacitors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2146-2153.	3.3	16
9	Facile Synthesis of the Cu, N-CDs@GO-CS Hydrogel with Enhanced Antibacterial Activity for Effective Treatment of Wound Infection. <i>Langmuir</i> , 2021, 37, 7928-7935.	3.5	24
10	Facile Synthesis Of Composition-Controllable PtPdAuTe Nanowires As Superior Electrocatalysts For Direct Methanol Fuel Cells. <i>Chemistry - an Asian Journal</i> , 2020, 15, 98-105.	3.3	7
11	In situ implantable three-dimensional extracellular matrix bioactive composite scaffold for postoperative skin cancer therapy. <i>Chemical Engineering Journal</i> , 2020, 400, 125949.	12.7	31
12	Three-Dimensional PdPtCu Nanoalloys with a Controllable Composition and Spiny Surface for the Enhancement of Ethanol Electrocatalytic Properties. <i>Langmuir</i> , 2020, 36, 2584-2591.	3.5	13
13	Effects of salts and adsorption on the performance of air entraining agent with different charge type in solution and cement mortar. <i>Construction and Building Materials</i> , 2020, 242, 118188.	7.2	27
14	One-pot solvothermal preparation of ternary PdPtNi nanostructures with spiny surface and enhanced electrocatalytic performance during ethanol oxidation. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154671.	5.5	17
15	Facile Synthesis of PdCu Echinus-Like Nanocrystals as Robust Electrocatalysts for Methanol Oxidation Reaction. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4217-4222.	3.3	16
16	Ag@Fe ₃ O ₄ @C nanoparticles for multi-modal imaging-guided chemo-photothermal synergistic targeting for cancer therapy. <i>Analytica Chimica Acta</i> , 2019, 1086, 122-132.	5.4	41
17	Facile synthesis of ZnO QDs@GO-CS hydrogel for synergetic antibacterial applications and enhanced wound healing. <i>Chemical Engineering Journal</i> , 2019, 378, 122043.	12.7	98
18	Novel Preparation of Noncovalent Modified GO Using RAFT Polymerization to Reinforce the Performance of Waterborne Epoxy Coatings. <i>Coatings</i> , 2019, 9, 348.	2.6	6

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19	Facile synthesis of trimetallic PtAuCu alloy nanowires as High Performance electrocatalysts for methanol oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2019, 780, 504-511.	5.5	43
20	A novel composite for energy storage devices: core-shell MnO ₂ /polyindole nanotubes supported on reduced graphene oxides. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5548-5560.	2.2	14
21	Novel star-like surfactant as dispersant for multi-walled carbon nanotubes in aqueous suspensions at high concentration. <i>Applied Surface Science</i> , 2018, 433, 975-982.	6.1	25
22	Cationic oligomeric surfactants as novel air entraining agents for concrete. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 686-693.	4.7	19
23	Ultrasmall black phosphorus quantum dots: synthesis, characterization, and application in cancer treatment. <i>Analyst</i> , 2018, 143, 5822-5833.	3.5	40
24	Binding of calcium cations with three different types of oxygen-based functional groups of superplasticizers studied by atomistic simulations. <i>Journal of Molecular Modeling</i> , 2018, 24, 321.	1.8	17
25	Bioinspired carbon quantum dots for sensitive fluorescent detection of vitamin B12 in cell system. <i>Analytica Chimica Acta</i> , 2018, 1032, 154-162.	5.4	69
26	Facile Synthesis of Highly Active Three-Dimensional Urchin-like Pd@PtNi Nanostructures for Improved Methanol and Ethanol Electrochemical Oxidation. <i>ACS Applied Nano Materials</i> , 2018, 1, 3226-3235.	5.0	41
27	Facilitated Utilization of Active Sites with Core-Shell PdPt@Pt/RGO Nanocluster Structures for Improved Electrocatalytic Ethylene Glycol Oxidation. <i>ChemElectroChem</i> , 2018, 5, 2645-2652.	3.4	14
28	Facilely prepared oxidized carbon Fiber@Co ₃ O ₄ @RGO as negative electrode for a novel asymmetric supercapacitor with high areal energy and power density. <i>Applied Surface Science</i> , 2018, 450, 66-76.	6.1	25
29	Brush-like block copolymer synthesized via RAFT polymerization for graphene oxide aqueous suspensions. <i>RSC Advances</i> , 2017, 7, 4776-4782.	3.6	6
30	A new ternary composite based on carbon nanotubes/polyindole/graphene with preeminent electrocapacitive performance for supercapacitors. <i>Applied Surface Science</i> , 2017, 396, 1360-1367.	6.1	37
31	Gemini surfactants as novel air entraining agents for concrete. <i>Cement and Concrete Research</i> , 2017, 100, 40-46.	11.0	50
32	Sulfonic gemini surfactants: Synthesis, properties and applications as novel air entraining agents for concrete. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 593-600.	4.7	28
33	A sensing approach for dopamine determination by boronic acid-functionalized molecularly imprinted graphene quantum dots composite. <i>Applied Surface Science</i> , 2017, 423, 810-816.	6.1	55
34	Bamboo-like Composites of V ₂ O ₅ /Polyindole and Activated Carbon Cloth as Electrodes for All-Solid-State Flexible Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3776-3783.	8.0	194
35	Supercapacitors based on highly dispersed polypyrrole-reduced graphene oxide composite with a folded surface. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 693-698.	2.3	13
36	The carbonization of polyethyleneimine: facile fabrication of N-doped graphene oxide and graphene quantum dots. <i>RSC Advances</i> , 2015, 5, 105855-105861.	3.6	23

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37	Facile Synthesis of Molecularly Imprinted Graphene Quantum Dots for the Determination of Dopamine with Affinity-Adjustable. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11741-11747.	8.0	82
38	Facile synthesis of a Co ₃ O ₄ @carbon nanotubes/polyindole composite and its application in all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13011-13015.	10.3	64
39	Improved dispersibility of multi-wall carbon nanotubes with reversible addition-fragmentation chain transfer polymer modification. <i>Polymer International</i> , 2015, 64, 1219-1224.	3.1	5
40	Dopamine fluorescent sensors based on polypyrrole/graphene quantum dots core/shell hybrids. <i>Biosensors and Bioelectronics</i> , 2015, 64, 404-410.	10.1	184
41	Study on PS/TiO ₂ nanocomposite particles. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 429-438.	4.2	8
42	Ultrasensitive dopamine sensor based on novel molecularly imprinted polypyrrole coated carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2014, 58, 237-241.	10.1	158
43	Au nanoparticles decorated polypyrrole/reduced graphene oxide hybrid sheets for ultrasensitive dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 759-763.	7.8	114
44	All-Solid-State Flexible Supercapacitors Based on Highly Dispersed Polypyrrole Nanowire and Reduced Graphene Oxide Composites. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17937-17943.	8.0	76
45	Enhanced dual contrast agent, Co ²⁺ -doped NaYF ₄ :Yb ³⁺ ,Tm ³⁺ nanorods, for near infrared-to-near infrared upconversion luminescence and magnetic resonance imaging. <i>Biomaterials</i> , 2014, 35, 9167-9176.	11.4	46
46	Highly dispersed carbon nanotube/polypyrrole core/shell composites with improved electrochemical capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15230.	10.3	63
47	Gold nanoparticles coated polystyrene/reduced graphite oxide microspheres with improved dispersibility and electrical conductivity for dopamine detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 310-314.	5.0	44
48	Facilely prepared polypyrrole-reduced graphite oxide core-shell microspheres with high dispersibility for electrochemical detection of dopamine. <i>Chemical Communications</i> , 2013, 49, 4610.	4.1	82
49	A facilely prepared polypyrrole-reduced graphene oxide composite with a crumpled surface for high performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6539.	10.3	93
50	In situ polymerization of highly dispersed polypyrrole on reduced graphite oxide for dopamine detection. <i>Biosensors and Bioelectronics</i> , 2013, 50, 157-160.	10.1	48
51	Effect of length of branched-chain of PAA-g-MPEO on dispersion of CaCO ₃ aqueous suspensions. <i>Polymer Bulletin</i> , 2012, 68, 597-605.	3.3	8
52	Studies of modification of HDPE and interfacial interaction of its composites with sericite. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2517-2522.	3.2	4
53	Preparation and properties of PU/MCMMT nanocomposites. <i>Polymers for Advanced Technologies</i> , 2010, 21, 296-299.	3.2	4
54	Novel sol-gel synthesis of N-doped TiO ₂ hollow spheres with high photocatalytic activity under visible light. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 377-384.	2.4	21

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55	Adsorption Mechanism of Comb Polymer Dispersants at the Cement/Water Interface. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 790-798.	2.4	90
56	A Study of PU/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2009, 17, 91-96.	1.9	5
57	Impact of ultraviolet radiation on HDPE and HDPE/STC blends. <i>Polymers for Advanced Technologies</i> , 2009, 20, 341-346.	3.2	1
58	Study on thermoplastic polyurethane/montmorillonite nanocomposites. <i>Polymer Composites</i> , 2008, 29, 119-124.	4.6	12
59	Study of nanocomposites prepared by melt blending TPU and montmorillonite. <i>Polymer Composites</i> , 2008, 29, 385-389.	4.6	20
60	Synthesis and characterization of a poly(acrylic acid)- <i>g</i> -methoxy poly(ethylene oxide) comblike copolymer. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3286-3291.	2.6	20
61	Study on Polyurethane/MDI-Modified-Organic Montmorillonite Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 1200-1204.	1.9	7
62	Effect of PAA-g-MPEO Comb Polymer on TiO ₂ Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 1278-1282.	1.9	4
63	Storage Stability of Ultraviolet Irradiated Hdpe. <i>Polymers and Polymer Composites</i> , 2008, 16, 303-307.	1.9	5
64	Fast Functionalisation of Polypropylene (Pp) by Ultraviolet Irradiation and Compatibilised Pp/Caco3 Composite. <i>Polymers and Polymer Composites</i> , 2008, 16, 375-378.	1.9	10
65	Effects of Poly(acrylic acid) on Rheological and Dispersion Properties of Aqueous TiO ₂ Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1117-1120.	1.9	20
66	Influence of the amount of salts of rosin acid on the nonisothermal crystallization, morphology, and properties of isotactic polypropylene. <i>Polymer Engineering and Science</i> , 2007, 47, 889-897.	3.1	17
67	Effects of comb copolymer PAA-g-MPEO on rheological and dispersion properties of aqueous CaCO ₃ suspensions. <i>Polymer Bulletin</i> , 2007, 59, 363-370.	3.3	10
68	Preparation and Characterization of EVA/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2006, 14, 301-306.	1.9	5
69	Performance and Mechanism of a Multi-Functional Superplasticizer for Concrete. <i>Materials Transactions</i> , 2006, 47, 1599-1604.	1.2	20
70	Structure and properties of nanocomposites prepared by directly melt blending ethylene-co-vinylacetate and natural montmorillonite. <i>Polymer Composites</i> , 2006, 27, 529-532.	4.6	9
71	Study of elastomeric polyurethane nanocomposites prepared from grafted organic-montmorillonite. <i>Colloid and Polymer Science</i> , 2006, 284, 1057-1061.	2.1	29
72	A study of LLDPE functionalized through ultraviolet irradiation and interfacial interaction of PA66/functionalized LLDPE blends. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2029-2032.	2.6	13

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73	A Study on Structure and Mechanical Properties of Polyurethane/Organic-Montmorillonite Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 685-689.	1.9	15
74	Effect of Reaction Temperature on HDPE Functionalized Through Ultraviolet Irradiation. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 381-390.	1.9	12
75	Study on the structure and properties of EVA/clay nanocomposites. <i>Journal of Materials Science</i> , 2004, 39, 4301-4303.	3.7	29
76	Effect of the reaction atmosphere on high-density polyethylene functionalized by ultraviolet irradiation. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2326-2329.	2.6	15
77	Effect of organophilic montmorillonite on polyurethane/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2536-2542.	2.6	65
78	Effect of Ultraviolet Irradiation on Structure and Properties of HDPE and HDPE/STC Blends. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 1311-1319.	2.2	9
79	Structure and properties of ultraviolet-irradiated high density polyethylene at different environmental temperatures. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2966-2969.	2.6	19
80	Studies on high density polyethylene (HDPE) functionalized by ultraviolet irradiation and its application. <i>Polymer International</i> , 2003, 52, 1527-1530.	3.1	26