

Xu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,885
citations

361413

20
h-index

254184

43
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50
all docs

50
docs citations

50
times ranked

2794
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual pH-/Photo-Responsive Color Switching Systems for Dynamic Rewritable Paper. ACS Applied Materials & Interfaces, 2022, 14, 5825-5833.	8.0	9
2	Host-Driven Fuelled Transient Supramolecular Hydrogels. ChemSystemsChem, 2022, 4, .	2.6	11
3	Sunlight-Responsive Titania-Modified Hydrated Tungsten Oxide Heteronanoparticles/Paper-Based Color-Switching Film for Solar Ultraviolet Radiation Monitors. ACS Applied Nano Materials, 2022, 5, 4009-4017.	5.0	6
4	Feedback-controlled topological reconfiguration of molecular assemblies for programming supramolecular structures. Soft Matter, 2022, 18, 3856-3866.	2.7	4
5	Nonequilibrium regulation of interfacial chemistry for transient macroscopic supramolecular assembly. Journal of Colloid and Interface Science, 2022, 623, 674-684.	9.4	13
6	Self-reporting of damage in underwater hierarchical ionic skins via cascade reaction-regulated chemiluminescence. Materials Horizons, 2022, 9, 2128-2137.	12.2	9
7	Amoeba-inspired reengineering of polymer networks. Green Chemistry, 2021, 23, 2496-2506.	9.0	9
8	Systems Chemistry in Self-Healing Materials. ChemSystemsChem, 2021, 3, e2100016.	2.6	6
9	On-Demand Regulation of Photoreversible Color Switching for Rewritable Paper and Transient Information Encryption. ACS Applied Materials & Interfaces, 2021, 13, 44797-44805.	8.0	15
10	Electrospun poly(vinyl alcohol) nanofiber films containing menthol/ β -cyclodextrin inclusion complexes for smoke filtration and flavor retention. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125378.	4.7	19
11	Enzyme-Regulated Healable Polymeric Hydrogels. ACS Central Science, 2020, 6, 1507-1522.	11.3	48
12	Tailoring Azlactone-Based Block Copolymers for Stimuli-Responsive Disassembly of Nanocarriers. Langmuir, 2020, 36, 10200-10209.	3.5	5
13	Repairing Creep-Resistant and Kinetically Inert Hydrogels via Yeast Activity-Regulated Energy Dissipation. ACS Applied Bio Materials, 2020, 3, 4507-4513.	4.6	8
14	Bioinspired Self-Healing of Kinetically Inert Hydrogels Mediated by Chemical Nutrient Supply. ACS Applied Materials & Interfaces, 2020, 12, 6471-6478.	8.0	42
15	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. Macromolecules, 2020, 53, 2856-2863.	4.8	30
16	Enzymatically mediated, physiologically triggered N-palmitoyl chitosan hydrogels with temporally modulated high injectability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123940.	4.7	10
17	Mechanism of Texture Formation in Iron Boride Coatings on Low-Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 58-62.	2.2	17
18	Investigation on the deformation and microstructure evolution of P91 steel in short-term small punch creep test. Journal of Strain Analysis for Engineering Design, 2018, 53, 248-254.	1.8	2

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19	Dependence of Crystallographic Orientation on Pitting Corrosion Behavior of Ni-Fe-Cr Alloy 028. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 919-925.	2.1	12
20	Effects of grain sizes on the oxidation behavior of Ni-based alloy 230 and N. Journal of Alloys and Compounds, 2018, 752, 40-52.	5.5	31
21	Versatile Synthesis of Amine-Reactive Microgels by Self-Assembly of Azlactone-Containing Block Copolymers. Macromolecules, 2018, 51, 3691-3701.	4.8	12
22	Polymers with a Coiled Conformation Enable Healing of Wide and Deep Damages in Polymeric Films. ACS Applied Materials & Interfaces, 2018, 10, 30716-30722.	8.0	15
23	Multifunctional Telodendrimer Nanocarriers Restore Synergy of Bortezomib and Doxorubicin in Ovarian Cancer Treatment. Cancer Research, 2017, 77, 3293-3305.	0.9	40
24	Effect of CeO ₂ Coating on the Isothermal Oxidation Behaviour of Ni-Based Alloy 230. Oxidation of Metals, 2017, 88, 565-582.	2.1	6
25	Ceria coating for controlling the isothermal oxidation behaviour of Ni-based alloy 625. Journal of Alloys and Compounds, 2017, 729, 379-389.	5.5	4
26	Riboflavin-containing telodendrimer nanocarriers for efficient doxorubicin delivery: High loading capacity, increased stability, and improved anticancer efficacy. Biomaterials, 2017, 141, 161-175.	11.4	34
27	Optimizing cathodic electrodeposition parameters of ceria coating to enhance the oxidation resistance of a Cr ₂ O ₃ -forming alloy. Thin Solid Films, 2016, 611, 12-20.	1.8	11
28	Tunable Lipidoid-Telodendrimer Hybrid Nanoparticles for Intracellular Protein Delivery in Brain Tumor Treatment. Small, 2016, 12, 4185-4192.	10.0	17
29	Affinity-controlled protein encapsulation into sub-30Ånm telodendrimer nanocarriers by multivalent and synergistic interactions. Biomaterials, 2016, 101, 258-271.	11.4	32
30	Solution Properties of Architecturally Complex Multiarm Star Diblock Copolymers in a Nonselective and Selective Solvent for the Inner Block. Macromolecules, 2016, 49, 2288-2297.	4.8	9
31	Influence of grain orientation on the incipient oxidation behavior of Haynes 230 at 900 Å°C. Materials Characterization, 2015, 107, 33-42.	4.4	38
32	A drug-specific nanocarrier design for efficient anticancer therapy. Nature Communications, 2015, 6, 7449.	12.8	131
33	Impact of chain microstructure on solution and thin film self-assembly of PCHD-based semi-flexible/flexible diblock copolymers. Soft Matter, 2015, 11, 6509-6519.	2.7	5
34	Fine-Tuning Vitamin E-Containing Telodendrimers for Efficient Delivery of Gambogic Acid in Colon Cancer Treatment. Molecular Pharmaceutics, 2015, 12, 1216-1229.	4.6	42
35	Layer-by-Layer Assembly of a Self-Healing Anticorrosion Coating on Magnesium Alloys. ACS Applied Materials & Interfaces, 2015, 7, 27271-27278.	8.0	124
36	Effect of surface crystallographic orientation on the oxidation behavior of Ni-based alloy. Applied Surface Science, 2015, 327, 532-536.	6.1	21

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37	Telodendrimer nanocarrier for co-delivery of paclitaxel and cisplatin: A synergistic combination nanotherapy for ovarian cancer treatment. <i>Biomaterials</i> , 2015, 37, 456-468.	11.4	125
38	Control of Self-Assembled Structure through Architecturally and Compositionally Complex Block Copolymer Surfactant Mixtures. <i>Macromolecules</i> , 2014, 47, 7138-7150.	4.8	22
39	BIOINSPIRED SELF-HEALING COATINGS. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2014, , 391-417.	0.1	2
40	Optically Transparent Antibacterial Films Capable of Healing Multiple Scratches. <i>Advanced Functional Materials</i> , 2014, 24, 403-411.	14.9	123
41	Layer-by-layer assembly for rapid fabrication of thick polymeric films. <i>Chemical Society Reviews</i> , 2012, 41, 5998.	38.1	323
42	Water-Enabled Self-Healing of Polyelectrolyte Multilayer Coatings. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11378-11381.	13.8	288
43	Layer-by-layer deposition of magnetic microgel films on plastic surfaces for the preparation of magnetic resonance visibility enhancing coatings. <i>Journal of Materials Chemistry</i> , 2010, 20, 555-560.	6.7	9
44	Layer-by-Layer Assembled Polyampholyte Microgel Films for Simultaneous Release of Anionic and Cationic Molecules. <i>Langmuir</i> , 2010, 26, 8187-8194.	3.5	38
45	Layer-by-Layer Assembled Microgel Films with High Loading Capacity: Reversible Loading and Release of Dyes and Nanoparticles. <i>Langmuir</i> , 2008, 24, 1902-1909.	3.5	64
46	Self-powered quasi-solid-state electrochromic devices for optical information encryption. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	12