

Jiajun Fu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6483485/jiajun-fu-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

64
papers

2,759
citations

32
h-index

52
g-index

67
ext. papers

3,507
ext. citations

8.7
avg, IF

5.67
L-index

#	Paper	IF	Citations
64	Chemically engineered mesoporous silica nanoparticles-based intelligent delivery systems for theranostic applications in multiple cancerous/non-cancerous diseases. <i>Coordination Chemistry Reviews</i> , 2022 , 452, 214309	23.2	15
63	Highly thermoconductive yet ultraflexible polymer composites with superior mechanical properties and autonomous self-healing functionality a binary filler strategy. <i>Materials Horizons</i> , 2021 ,	14.4	5
62	Printable, room-temperature self-healing and full-color-tunable emissive composites for transparent panchromatic display and flexible high-level anti-counterfeiting. <i>Chemical Engineering Journal</i> , 2021 , 133728	14.7	5
61	Healable, highly thermal conductive, flexible polymer composite with excellent mechanical properties and multiple functionalities. <i>Chemical Engineering Journal</i> , 2021 , 133163	14.7	10
60	A Fast Room-Temperature Self-Healing Glassy Polyurethane. <i>Angewandte Chemie</i> , 2021 , 133, 8026-8034	3.6	2
59	A Fast Room-Temperature Self-Healing Glassy Polyurethane. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7947-7955	16.4	58
58	Transparent, Mechanically Strong, Amphiphilic Antibiofouling Coatings Integrating Antismudge and Intrinsic Self-Healing Capabilities. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3416-3427	4.3	1
57	Molecular engineering of a colorless, extremely tough, superiorly self-recoverable, and healable poly(urethane-urea) elastomer for impact-resistant applications. <i>Materials Horizons</i> , 2021 , 8, 2238-2250	14.4	26
56	Parthenocissus-inspired, strongly adhesive, efficiently self-healing polymers for energetic adhesive applications. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16076-16085	13	7
55	Dragonfly wing-inspired architecture makes a stiff yet tough healable material. <i>Matter</i> , 2021 , 4, 2474-2482	2.7	22
54	Mechanically robust, highly adhesive and autonomously low-temperature self-healing elastomer fabricated based on dynamic metal-ligand interactions tailored for functional energetic composites. <i>Chemical Engineering Journal</i> , 2021 , 425, 130665	14.7	7
53	Highly stretchable, non-flammable and notch-insensitive intrinsic self-healing solid-state polymer electrolyte for stable and safe flexible lithium batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4758-4769	13	27
52	Nanozyme: a New Strategy Combating Bacterial. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021 , 36, 257	1	0
51	An autonomously ultrafast self-healing, highly colourless, tear-resistant and compliant elastomer tailored for transparent electromagnetic interference shielding films integrated in flexible and optical electronics. <i>Materials Horizons</i> , 2021 , 8, 3356-3367	14.4	8
50	Dual-functional anti-biofouling coatings with intrinsic self-healing ability. <i>Chemical Engineering Journal</i> , 2020 , 389, 123469	14.7	18
49	Transparent, Mechanically Strong, Extremely Tough, Self-Recoverable, Healable Supramolecular Elastomers Facilely Fabricated via Dynamic Hard Domains Design for Multifunctional Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1907109	15.6	100
48	UV-light cross-linked and pH de-cross-linked coumarin-decorated cationic copolymer grafted mesoporous silica nanoparticles for drug and gene co-delivery in vitro. <i>Materials Science and Engineering C</i> , 2020 , 108, 110469	8.3	13

47	Intrinsic self-healing polymers for advanced lithium-based batteries: Advances and strategies. <i>Applied Physics Reviews</i> , 2020 , 7, 031304	17.3	25
46	Smart anticorrosion coatings based on nanocontainers 2020 , 413-429		0
45	Notch-Insensitive, Ultrastretchable, Efficient Self-Healing Supramolecular Polymers Constructed from Multiphase Active Hydrogen Bonds for Electronic Applications. <i>Chemistry of Materials</i> , 2019 , 31, 7951-7961	9.6	47
44	Supramolecular Valves Functionalized Rattle-Structured UCNPs@hm-SiO Nanoparticles with Controlled Drug Release Triggered by Quintuple Stimuli and Dual-Modality Imaging Functions: A Potential Theranostic Nanomedicine. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6022-6035	5.5	9
43	Electrospun Nanofibrous Polyphenylene Oxide Membranes for High-Salinity Water Desalination by Direct Contact Membrane Distillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 20060-20069	8.3	17
42	Superhydrophobic composite coating with active corrosion resistance for AZ31B magnesium alloy protection. <i>Chemical Engineering Journal</i> , 2019 , 357, 518-532	14.7	106
41	Triple-Stimuli-Responsive Smart Nanocontainers Enhanced Self-Healing Anticorrosion Coatings for Protection of Aluminum Alloy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4425-4438	9.5	53
40	Acid and light stimuli-responsive mesoporous silica nanoparticles for controlled release. <i>Journal of Materials Science</i> , 2019 , 54, 6199-6211	4.3	29
39	Autonomous self-healing supramolecular elastomer reinforced and toughened by graphitic carbon nitride nanosheets tailored for smart anticorrosion coating applications. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5887-5898	13	94
38	Dual-templating synthesis of compressible and superhydrophobic spongy polystyrene for oil capture. <i>Chemical Engineering Journal</i> , 2018 , 354, 245-253	14.7	43
37	Extremely Stretchable, Self-Healable Elastomers with Tunable Mechanical Properties: Synthesis and Applications. <i>Chemistry of Materials</i> , 2018 , 30, 6026-6039	9.6	74
36	Novel sea cucumber-inspired material based on stiff, strong yet tough elastomer with unique self-healing and recyclable functionalities. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24291-24297	13	32
35	Monolithic cobalt-doped carbon aerogel for efficient catalytic activation of peroxydisulfate in water. <i>Journal of Hazardous Materials</i> , 2017 , 332, 195-204	12.8	76
34	Design and Fabrication of a Novel Stimulus-Feedback Anticorrosion Coating Featured by Rapid Self-Healing Functionality for the Protection of Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21034-21047	9.5	53
33	Redox-triggered controlled release systems-based bi-layered nanocomposite coating with synergistic self-healing property. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1756-1768	13	48
32	Quadruple Stimuli-Responsive Mechanized Silica Nanoparticles: A Promising Multifunctional Nanomaterial for Diverse Applications. <i>Chemistry - A European Journal</i> , 2017 , 23, 15041-15045	4.8	13
31	Nanovalves-Based Bacteria-Triggered, Self-Defensive Antibacterial Coating: Using Combination Therapy, Dual Stimuli-Responsiveness, and Multiple Release Modes for Treatment of Implant-Associated Infections. <i>Chemistry of Materials</i> , 2017 , 29, 8325-8337	9.6	31
30	Facilitated photoinduced electron storage and two-electron reduction of oxygen by reduced graphene oxide in rGO/TiO ₂ /WO ₃ composites. <i>Electrochimica Acta</i> , 2017 , 250, 108-116	6.7	23

29	Dual pH-Mediated Mechanized Hollow Zirconia Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23289-301	9.5	21
28	Recent Advances in Stimuli-Responsive Release Function Drug Delivery Systems for Tumor Treatment. <i>Molecules</i> , 2016 , 21,	4.8	89
27	Triple-stimuli-responsive nanocontainers assembled by water-soluble pillar[5]arene-based pseudorotaxanes for controlled release. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2819-2827	7.3	40
26	Superhydrophobic P (St-DVB) foam prepared by the high internal phase emulsion technique for oil spill recovery. <i>Chemical Engineering Journal</i> , 2016 , 298, 117-124	14.7	54
25	Facile Synthesis of Smart Nanocontainers as Key Components for Construction of Self-Healing Coating with Superhydrophobic Surfaces. <i>Nanoscale Research Letters</i> , 2016 , 11, 231	5	43
24	Self-healing, superhydrophobic coating based on mechanized silica nanoparticles for reliable protection of magnesium alloys. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8041-8052	13	106
23	Facile Preparation of Magnetic Poly(styrene-divinylbenzene) Foam and Its Application as an Oil Absorbent. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 11033-11039	3.9	56
22	Voltage/pH-Driven Mechanized Silica Nanoparticles for the Multimodal Controlled Release of Drugs. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21295-304	9.5	31
21	An intelligent anticorrosion coating based on pH-responsive smart nanocontainers fabricated via a facile method for protection of carbon steel. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6423-6431	13	71
20	Mono-benzimidazole functionalized β -cyclodextrins as supramolecular nanovalves for pH-triggered release of p-coumaric acid. <i>Chemical Communications</i> , 2014 , 50, 12469-72	5.8	54
19	Mechanized silica nanoparticles based on reversible bistable [2]pseudorotaxanes as supramolecular nanovalves for multistage pH-controlled release. <i>Chemical Communications</i> , 2014 , 50, 5068-71	5.8	40
18	Graphene quantum dot-capped mesoporous silica nanoparticles through an acid-cleavable acetal bond for intracellular drug delivery and imaging. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4979-4982	7.3	85
17	Acid and alkaline dual stimuli-responsive mechanized hollow mesoporous silica nanoparticles as smart nanocontainers for intelligent anticorrosion coatings. <i>ACS Nano</i> , 2013 , 7, 11397-408	16.7	194
16	Controlled release of cargo molecules from hollow mesoporous silica nanoparticles based on acid and base dual-responsive cucurbit[7]uril pseudorotaxanes. <i>Chemical Communications</i> , 2013 , 49, 6555-7	5.8	52
15	Improvement in corrosion protection properties of TiO ₂ coatings by chromium doping. <i>Corrosion Science</i> , 2013 , 68, 101-110	6.8	62
14	Study on cerium-doped nano-TiO ₂ coatings for corrosion protection of 316 L stainless steel. <i>Nanoscale Research Letters</i> , 2012 , 7, 227	5	37
13	Experimental and Theoretical Study on the Inhibition Performances of Quinoxaline and Its Derivatives for the Corrosion of Mild Steel in Hydrochloric Acid. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6377-6386	3.9	147
12	An intelligent anticorrosion coating based on pH-responsive supramolecular nanocontainers. <i>Nanotechnology</i> , 2012 , 23, 505705	3.4	85

11	pH-responsive nanovalves based on hollow mesoporous silica spheres for controlled release of corrosion inhibitor. <i>Nanotechnology</i> , 2012 , 23, 235605	3.4	62
10	Synthesis, Crystal Structure and Fluorescence Spectrum Studies of Bromocoumarin Derivants: C10H5Br3O and C12H9BrO4. <i>Advanced Materials Research</i> , 2012 , 455-456, 746-751	0.5	
9	Effect of Lanthanum Doping on Corrosion Protection Properties of TiO2 Coatings. <i>Advanced Materials Research</i> , 2012 , 557-559, 1830-1833	0.5	
8	Computational and electrochemical studies on the inhibition of corrosion of mild steel by l-Cysteine and its derivatives. <i>Journal of Materials Science</i> , 2011 , 46, 3550-3559	4.3	59
7	An Investigation for the Key Role of Surfactants in Activated Sludge Dewatering. <i>Journal of Chemical Engineering of Japan</i> , 2010 , 43, 238-246	0.8	9
6	l-Tryptophan as green corrosion inhibitor for low carbon steel in hydrochloric acid solution. <i>Journal of Materials Science</i> , 2010 , 45, 979-986	4.3	90
5	Computational and electrochemical studies of some amino acid compounds as corrosion inhibitors for mild steel in hydrochloric acid solution. <i>Journal of Materials Science</i> , 2010 , 45, 6255-6265	4.3	82
4	Biodegradation of phenolic compounds from coking wastewater by immobilized white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Journal of Hazardous Materials</i> , 2009 , 165, 1091-7	12.8	81
3	Synthesis and characterisation of new cationic polyelectrolytes by inverse emulsion polymerisation and their application in activated sludge dewatering. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 397	0.7	4
2	Effect of synthetic cationic surfactants on dewaterability and settleability of activated sludge. <i>International Journal of Environment and Pollution</i> , 2009 , 37, 113	0.7	7
1	Application of a Well-Designed Cationic Polyelectrolyte for Activated Sludge Dewatering. <i>Journal of Chemical Engineering of Japan</i> , 2007 , 40, 1113-1120	0.8	1