

Bowen Yang

List of Publications by Citations

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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.

40
papers

2,387
citations

20
h-index

46
g-index

46
ext. papers

3,502
ext. citations

17.3
avg, IF

6.38
L-index

#	Paper	IF	Citations
40	Reactive Oxygen Species (ROS)-Based Nanomedicine. <i>Chemical Reviews</i> , 2019 , 119, 4881-4985	68.1	776
39	Nanocatalytic Medicine. <i>Advanced Materials</i> , 2019 , 31, e1901778	24	227
38	2D-Black-Phosphorus-Reinforced 3D-Printed Scaffolds:A Stepwise Countermeasure for Osteosarcoma. <i>Advanced Materials</i> , 2018 , 30, 1705611	24	205
37	Highly Stretchable and Transparent Double-Network Hydrogel Ionic Conductors as Flexible Thermal-Mechanical Dual Sensors and Electroluminescent Devices. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16765-16775	9.5	143
36	Exosome Biochemistry and Advanced Nanotechnology for Next-Generation Theranostic Platforms. <i>Advanced Materials</i> , 2019 , 31, e1802896	24	120
35	Material Chemistry of Two-Dimensional Inorganic Nanosheets in Cancer Theranostics. <i>CheM</i> , 2018 , 4, 1284-1313	16.2	111
34	A Metal-Organic Framework (MOF) Fenton Nanoagent-Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. <i>Advanced Materials</i> , 2020 , 32, e1907152	24	107
33	Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. <i>Materials Science and Engineering Reports</i> , 2019 , 137, 66-105	30.9	74
32	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. <i>Nano Letters</i> , 2019 , 19, 2128-2137	11.5	65
31	Polymeric room-temperature molten salt as a multifunctional additive toward highly efficient and stable inverted planar perovskite solar cells. <i>Energy and Environmental Science</i> , 2020 , 13, 5068-5079	35.4	61
30	Low-temperature carbon-based electrodes in perovskite solar cells. <i>Energy and Environmental Science</i> , 2020 , 13, 3880-3916	35.4	59
29	Highly Stretchable, Adhesive, and Mechanical Zwitterionic Nanocomposite Hydrogel Biomimetic Skin. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40620-40628	9.5	57
28	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9693-9701	16.4	42
27	Augmenting Tumor-Starvation Therapy by Cancer Cell Autophagy Inhibition. <i>Advanced Science</i> , 2020 , 7, 1902847	13.6	37
26	Interfacial Passivation Engineering of Perovskite Solar Cells with Fill Factor over 82% and Outstanding Operational Stability on n-i-p Architecture. <i>ACS Energy Letters</i> , 2021 , 6, 3916-3923	20.1	35
25	Exogenous/Endogenous-Triggered Mesoporous Silica Cancer Nanomedicine. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800268	10.1	32
24	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. <i>Nature Energy</i> , 2022 , 7, 107-115	62.3	26

23	"Stepwise Extraction" strategy-based injectable bioresponsive composite implant for cancer theranostics. <i>Biomaterials</i> , 2018 , 166, 38-51	15.6	23
22	Outstanding Passivation Effect by a Mixed-Salt Interlayer with Internal Interactions in Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 3159-3167	20.1	22
21	Ascorbate Tumor Chemotherapy by An Iron-Engineered Nanomedicine-Catalyzed Tumor-Specific Pro-Oxidation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21775-21785	16.4	20
20	Surface Reconstruction Engineering with Synergistic Effect of Mixed-Salt Passivation Treatment toward Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2102902	15.6	17
19	Developing New Cancer Nanomedicines by Repurposing Old Drugs. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21829-21838	16.4	16
18	Zinc Phthalocyanine Conjugated Dimers as Efficient Dopant-Free Hole Transporting Materials in Perovskite Solar Cells. <i>ChemPhotoChem</i> , 2020 , 4, 307-314	3.3	14
17	Revealing the Mechanism of Doping of spiro-MeOTAD via Zn Complexation in the Absence of Oxygen and Light. <i>ACS Energy Letters</i> , 2020 , 5, 1271-1277	20.1	13
16	Nanomedicine-Augmented Cancer-Localized Treatment by 3D Theranostic Implants. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 871-890	4	10
15	Intratumoral synthesis of nano-metalchelate for tumor catalytic therapy by ligand field-enhanced coordination. <i>Nature Communications</i> , 2021 , 12, 3393	17.4	10
14	Enhancing Tumor Catalytic Therapy by Co-Catalysis.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	9
13	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie</i> , 2020 , 132, 9780-9788	3.6	8
12	Methylammonium Triiodide for Defect Engineering of High-Efficiency Perovskite Solar Cells. <i>ACS Energy Letters</i> , 3650-3660	20.1	8
11	Construction of a two-dimensional artificial antioxidant for nanocatalytic rheumatoid arthritis treatment.. <i>Nature Communications</i> , 2022 , 13, 1988	17.4	8
10	Perovskite Solar Cells with Carbon-Based Electrodes [Quantification of Losses and Strategies to Overcome Them. <i>Advanced Energy Materials</i> , 2103128	21.8	4
9	Chemistry of Advanced Nanomedicines in Cancer Cell Metabolism Regulation. <i>Advanced Science</i> , 2020 , 7, 2001388	13.6	4
8	Defect Engineering of Mesoporous Silica Nanoparticles for Biomedical Applications. <i>Accounts of Materials Research</i> , 2021 , 2, 581-593	7.5	4
7	In Situ Synthesis of Natural Antioxidase Mimics for Catalytic Anti-Inflammatory Treatments: Rheumatoid Arthritis as an Example. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	4
6	Nanomedicine-Leveraged Intratumoral Coordination and Redox Reactions of Dopamine for Tumor-Specific Chemotherapy. <i>CCS Chemistry</i> , 1648-1658	7.2	3

- 5 Passivation Strategies through Surface Reconstruction toward Highly Efficient and Stable Perovskite Solar Cells on n-i-p Architecture. *Energies*, **2021**, 14, 4836 3.1 3
- 4 Interfacial Bulk Properties of Hole-Transporting Materials for Perovskite Solar Cells: Isomeric Triphenylamine-Based Enamines Spiro-OMeTAD. *ACS Applied Materials & Interfaces*, **2021**, 13, 21320-21330 2.5 2
- 3 When photoluminescence, electroluminescence, and open-circuit voltage diverge after light soaking and halide segregation in perovskite solar cells. *Journal of Materials Chemistry A*, **2021**, 9, 13967-13978 1.3 2
- 2 Molecularly Engineered Low-Cost Organic Hole-Transporting Materials for Perovskite Solar Cells: The Substituent Effect on Non-fused Three-Dimensional Systems. *ACS Applied Energy Materials*, **2022**, 5, 3156-3165 6.1 1
- 1 Developing New Cancer Nanomedicines by Repurposing Old Drugs. *Angewandte Chemie*, **2020**, 132, 22013-22022 1.6 2022