

Hao Qi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,715
citations

471371

17
h-index

360920

35
g-index

42
all docs

42
docs citations

42
times ranked

3313
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Human Vascular Network Generated in Photocrosslinkable Gelatin Methacrylate Hydrogels. <i>Advanced Functional Materials</i> , 2012, 22, 2027-2039.	7.8	618
2	DNA-directed self-assembly of shape-controlled hydrogels. <i>Nature Communications</i> , 2013, 4, 2275.	5.8	238
3	Precise control of SCRaMbLE in synthetic haploid and diploid yeast. <i>Nature Communications</i> , 2018, 9, 1933.	5.8	118
4	Solvent-controlled Phase Transition of a Co ^{II} Organic Framework: From Achiral to Chiral and Two to Three Dimensions. <i>Chemistry - A European Journal</i> , 2017, 23, 7990-7996.	1.7	111
5	Patterned Differentiation of Individual Embryoid Bodies in Spatially Organized 3D Hybrid Microgels. <i>Advanced Materials</i> , 2010, 22, 5276-5281.	11.1	107
6	In Situ Real-Time Study on Dynamics of Microbially Induced Calcium Carbonate Precipitation at a Single-Cell Level. <i>Environmental Science & Technology</i> , 2018, 52, 9266-9276.	4.6	57
7	Engineering physical microenvironment for stem cell based regenerative medicine. <i>Drug Discovery Today</i> , 2014, 19, 763-773.	3.2	53
8	Genome-wide landscape of position effects on heterogeneous gene expression in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 189.	6.2	53
9	Construction of integrated gene logic-chip. <i>Nature Nanotechnology</i> , 2018, 13, 933-940.	15.6	42
10	Current and Emerging Methods for the Synthesis of Single-Stranded DNA. <i>Genes</i> , 2020, 11, 116.	1.0	33
11	Ribosomal Protein S1 Is not Essential for the trans-translation Machinery. <i>Journal of Molecular Biology</i> , 2007, 368, 845-852.	2.0	27
12	Carbon tubes from biomass with prominent adsorption performance for paraquat. <i>Chemosphere</i> , 2021, 262, 127797.	4.2	27
13	In vitrosatially organizing the differentiation in individual multicellular stem cell aggregates. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 20-31.	5.1	24
14	Low-Bias Manipulation of DNA Oligo Pool for Robust Data Storage. <i>ACS Synthetic Biology</i> , 2020, 9, 3344-3352.	1.9	22
15	Constructing Yeast Chimeric Pathways To Boost Lipophilic Terpene Synthesis. <i>ACS Synthetic Biology</i> , 2019, 8, 724-733.	1.9	21
16	A mixed culture of bacterial cells enables an economic DNA storage on a large scale. <i>Communications Biology</i> , 2020, 3, 416.	2.0	21
17	Stem Cells: Hepatic Differentiation of Human Embryonic Stem Cells as Microscaled Multilayered Colonies Leading to Enhanced Homogeneity and Maturation (Small 21/2014). <i>Small</i> , 2014, 10, 4310-4310.	5.2	18
18	Biogrouting of hydraulic fill fine sands for reclamation projects. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 212-222.	1.2	14

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19	Emerging Methods for Efficient and Extensive Incorporation of Non-canonical Amino Acids Using Cell-Free Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 863.	2.0	14
20	Robust orthogonal recombination system for versatile genomic elements rearrangement in yeast <i>Saccharomyces Cerevisiae</i> . <i>Scientific Reports</i> , 2015, 5, 15249.	1.6	13
21	Modularization of genetic elements promotes synthetic metabolic engineering. <i>Biotechnology Advances</i> , 2015, 33, 1412-1419.	6.0	12
22	Multigene Pathway Engineering with Regulatory Linkers (M-PERL). <i>ACS Synthetic Biology</i> , 2016, 5, 1535-1545.	1.9	11
23	Orthogonal Ribosome Biofirewall. <i>ACS Synthetic Biology</i> , 2017, 6, 2108-2117.	1.9	11
24	Accurate genotyping of fragmented DNA using a toehold assisted padlock probe. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113079.	5.3	9
25	Sensitive analysis of single nucleotide variation by Cas13d orthologs, EsCas13d and RspCas13d. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3037-3045.	1.7	8
26	Engineering Artificial Machines from Designable DNA Materials for Biomedical Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 288-297.	2.5	5
27	Improvement in the Orthogonal Protein Degradation in <i>Escherichia coli</i> by Truncated mf-ssrA Tag. <i>Transactions of Tianjin University</i> , 2019, 25, 357-363.	3.3	5
28	Precipitation of Magnetic Iron Oxide Induced by <i>Sporosarcina pasteurii</i> Cells. <i>Microorganisms</i> , 2021, 9, 331.	1.6	4
29	Construction of a system for single-stranded DNA isolation. <i>Biotechnology Letters</i> , 2020, 42, 1663-1671.	1.1	3
30	Efficient Solar-Driven Water Purification Based on Biochar with Multi-Level Pore Bundle Structure for Preparation of Drinking Water. <i>Foods</i> , 2021, 10, 3087.	1.9	3
31	Dynamic Genome Editing Using In Vivo Synthesized Donor ssDNA in <i>Escherichia coli</i> . <i>Cells</i> , 2020, 9, 467.	1.8	2
32	MRC: A High Density Encoding Method for Practical DNA-based Storage. , 2020, , .		2
33	Systems-Level Analysis of the Global Regulatory Mechanism of CodY in <i>Lactococcus lactis</i> Metabolism and Nisin Immunity Modulation. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0184721.	1.4	2
34	CONTROLLED ASYMMETRICAL DIFFERENTIATION OF MOUSE EMBRYOID BODIES IN MICROWELLS WITH DESIGNED HETEROGENEOUS BIOCHEMICAL FEATURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1340003.	0.3	1
35	DNA-Based Bulk Hydrogel Materials and Biomedical Application. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .	0.8	1
36	Efficient In Vitro Full- ϵ -Sense ϵ -Codons Protein Synthesis. <i>Advanced Biology</i> , 0, , 2200023.	1.4	1

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37	Toehold-controlled ligation and transcription for accurate COVID-19 genotyping. Analytical Biochemistry, 2022, 654, 114803.	1.1	1
38	Stem Cells: Patterned Differentiation of Individual Embryoid Bodies in Spatially Organized 3D Hybrid Microgels (Adv. Mater. 46/2010). Advanced Materials, 2010, 22, 5220-5220.	11.1	0