Haifeng Ye

List of Publications by Year
in descending order

41 papers	2,270 citations	279798 23 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	2400 citing authors

#	Article	IF	Citations
1	Far-red light-activated human islet-like designer cells enable sustained fine-tuned secretion of insulin for glucose control. Molecular Therapy, 2022, 30, 341-354.	8.2	10
2	A small and highly sensitive red/far-red optogenetic switch for applications in mammals. Nature Biotechnology, 2022, 40, 262-272.	17.5	57
3	Genetic-code-expanded cell-based therapy for treating diabetes in mice. Nature Chemical Biology, 2022, 18, 47-55.	8.0	17
4	A Self-Powered Optogenetic System for Implantable Blood Glucose Control. Research, 2022, 2022, .	5.7	7
5	Engineering of optogenetic devices for biomedical applications in mammalian synthetic biology. Engineering Biology, 2022, 6, 35-49.	1.8	1
6	Liquid-liquid phase separation of light-inducible transcription factors increases transcription activation in mammalian cells and mice. Science Advances, 2021, 7, .	10.3	73
7	A synthetic BRET-based optogenetic device for pulsatile transgene expression enabling glucose homeostasis in mice. Nature Communications, 2021, 12, 615.	12.8	16
8	Spatiotemporally confined red light-controlled gene delivery at single-cell resolution using adeno-associated viral vectors. Science Advances, 2021, 7, .	10.3	17
9	Recent advances in flexible sweat glucose biosensors. Journal Physics D: Applied Physics, 2021, 54, 423001.	2.8	22
10	Engineering genetic devices for in vivo control of therapeutic T cell activity triggered by the dietary molecule resveratrol. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
11	Constructing Smartphone-Controlled Optogenetic Switches in Mammalian Cells. Methods in Molecular Biology, 2021, 2312, 125-139.	0.9	2
12	Constructing a Smartphone-Controlled Semiautomatic Theranostic System for Glucose Homeostasis in Diabetic Mice. Methods in Molecular Biology, 2021, 2312, 141-158.	0.9	0
13	A far-red lightâ€“inducible CRISPR-Cas12a platform for remote-controlled genome editing and gene activation. Science Advances, 2021, 7, eabh2358.	10.3	18
14	A versatile genetic control system in mammalian cells and mice responsive to clinically licensed sodium ferulate. Science Advances, 2020, 6, eabb9484.	10.3	13
15	A non-invasive far-red light-induced split-Cre recombinase system for controllable genome engineering in mice. Nature Communications, 2020, 11, 3708.	12.8	31
16	Efficient photoactivatable Dre recombinase for cell type-specific spatiotemporal control of genome engineering in the mouse. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33426-33435.	7.1	14
17	Electrogenetic cellular insulin release for real-time glycemic control in type 1 diabetic mice. Science, 2020, 368, 993-1001.	12.6	117
18	Engineering a far-red lightâ€“activated split-Cas9 system for remote-controlled genome editing of internal organs and tumors. Science Advances, 2020, 6, eabb1777.	10.3	73

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19	A fully human transgene switch to regulate therapeutic protein production by cooling sensation. Nature Medicine, 2019, 25, 1266-1273.	30.7	38
20	A green teaâ€“triggered genetic control system for treating diabetes in mice and monkeys. Science Translational Medicine, 2019, 11, .	12.4	49
21	Patterned Amyloid Materials Integrating Robustness and Genetically Programmable Functionality. Nano Letters, 2019, 19, 8399-8408.	9.1	31
22	Programmable and printable Bacillus subtilis biofilms as engineered living materials. Nature Chemical Biology, 2019, 15, 34-41.	8.0	202
23	Optogenetic Medicine: Synthetic Therapeutic Solutions Precision-Guided by Light. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a034371.	6.2	29
24	Treatment of chronic pain by designer cells controlled by spearmint aromatherapy. Nature Biomedical Engineering, 2018, 2, 114-123.	22.5	32
25	Engineering Mammalian Designer Cells for the Treatment of Metabolic Diseases. Biotechnology Journal, 2018, 13, e1700160.	3.5	9
26	A synthetic free fatty acid-regulated transgene switch in mammalian cells and mice. Nucleic Acids Research, 2018, 46, 9864-9874.	14.5	14
27	Synthetic far-red light-mediated CRISPR-dCas9 device for inducing functional neuronal differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6722-E6730.	7.1	124
28	Immunomimetic Designer Cells Protect Mice from MRSA Infection. Cell, 2018, 174, 259-270.e11.	28.9	54
29	A Synthetic-Biology-Inspired Therapeutic Strategy for Targeting and Treating Hepatogenous Diabetes. Molecular Therapy, 2017, 25, 443-455.	8.2	40
30	Smartphone-controlled optogenetically engineered cells enable semiautomatic glucose homeostasis in diabetic mice. Science Translational Medicine, 2017, 9, .	12.4	151
31	Self-adjusting synthetic gene circuit for correcting insulin resistance. Nature Biomedical Engineering, 2017, 1, 0005.	22.5	86
32	Engineering synthetic optogenetic networks for biomedical applications. Quantitative Biology, 2017, 5, 111-123.	0.5	1
33	Synthetic optogenetic devices for biomedical applications. Scientia Sinica Vitae, 2017, 47, 531-543.	0.3	1
34	Î²-cellâ€“mimetic designer cells provide closed-loop glycemic control. Science, 2016, 354, 1296-1301.	12.6	173
35	A synthetic biology-based device prevents liver injury in mice. Journal of Hepatology, 2016, 65, 84-94.	3.7	47
36	Cosmetics-triggered percutaneous remote control of transgene expression in mice. Nucleic Acids Research, 2015, 43, e91-e91.	14.5	22

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37	Antagonistic control of a dual-input mammalian gene switch by food additives. Nucleic Acids Research, 2014, 42, e116-e116.	14.5	28
38	Synthetic therapeutic gene circuits in mammalian cells. FEBS Letters, 2014, 588, 2537-2544.	2.8	70
39	Synthetic mammalian gene circuits for biomedical applications. Current Opinion in Chemical Biology, 2013, 17, 910-917.	6.1	38
40	Pharmaceutically controlled designer circuit for the treatment of the metabolic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 141-146.	7.1	107
41	A Synthetic Optogenetic Transcription Device Enhances Blood-Glucose Homeostasis in Mice. Science, 2011, 332, 1565-1568.	12.6	418