Pamela A Silver

List of Publications by Year
in descending order

173	23,296	5569 82	8384 147
papers	citations	h-index	g-index

227	227	227	26824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide analysis of estrogen receptor binding sites. Nature Genetics, 2006, 38, 1289-1297.	9.4	1,227
2	Chromosome-Wide Mapping of Estrogen Receptor Binding Reveals Long-Range Regulation Requiring the Forkhead Protein FoxA1. Cell, 2005, 122, 33-43.	13.5	1,208
3	Water splittingâ€“biosynthetic system with CO ₂ reduction efficiencies exceeding photosynthesis. Science, 2016, 352, 1210-1213.	6.0	760
4	Toehold Switches: De-Novo-Designed Regulators of Gene Expression. Cell, 2014, 159, 925-939.	13.5	646
5	How proteins enter the nucleus. Cell, 1991, 64, 489-497.	13.5	599
6	Organization of Intracellular Reactions with Rationally Designed RNA Assemblies. Science, 2011, 333, 470-474.	6.0	574
7	Genome-Wide Localization of the Nuclear Transport Machinery Couples Transcriptional Status and Nuclear Organization. Cell, 2004, 117, 427-439.	13.5	528
8	Engineering cyanobacteria to generate high-value products. Trends in Biotechnology, 2011, 29, 95-103.	4.9	443
9	State of the Arg. Cell, 2001, 106, 5-8.	13.5	414
10	Nuclear transport and cancer: from mechanism to intervention. Nature Reviews Cancer, 2004, 4, 106-117.	12.8	414
11	Elimination of Replication Block Protein Fob1 Extends the Life Span of Yeast Mother Cells. Molecular Cell, 1999, 3, 447-455.	4.5	380
12	Efficient solar-to-fuels production from a hybrid microbialâ€“water-splitting catalyst system. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2337-2342.	3.3	366
13	Natural strategies for the spatial optimization of metabolism in synthetic biology. Nature Chemical Biology, 2012, 8, 527-535.	3.9	349
14	A chemical genetic screen identifies inhibitors of regulated nuclear export of a Forkhead transcription factor in PTEN-deficient tumor cells. Cancer Cell, 2003, 4, 463-476.	7.7	329
15	HITS-CLIP and Integrative Modeling Define the Rbfox Splicing-Regulatory Network Linked to Brain Development and Autism. Cell Reports, 2014, 6, 1139-1152.	2.9	326
16	Functional Specificity among Ribosomal Proteins Regulates Gene Expression. Cell, 2007, 131, 557-571.	13.5	323
17	Complex cellular logic computation using ribocomputing devices. Nature, 2017, 548, 117-121.	13.7	321
18	Dynamic Modulation of the Gut Microbiota and Metabolome by Bacteriophages in a Mouse Model. Cell Host and Microbe, 2019, 25, 803-814.e5.	5.1	317

#	Article	IF	Citations
19	Programmable bacteria detect and record an environmental signal in the mammalian gut. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4838-4843.	3.3	306
20	Emergent cooperation in microbial metabolism. Molecular Systems Biology, 2010, 6, 407.	3.2	301
21	Rerouting Carbon Flux To Enhance Photosynthetic Productivity. Applied and Environmental Microbiology, 2012, 78, 2660-2668.	1.4	298
22	Spatially Ordered Dynamics of the Bacterial Carbon Fixation Machinery. Science, 2010, 327, 1258-1261.	6.0	289
23	Engineered bacteria can function in the mammalian gut long-term as live diagnostics of inflammation. Nature Biotechnology, 2017, 35, 653-658.	9.4	283
24	An Alternative Splicing Network Links Cell-Cycle Control to Apoptosis. Cell, 2010, 142, 625-636.	13.5	273
25	Engineering bacteria for diagnostic and therapeutic applications. Nature Reviews Microbiology, 2018, 16, 214-225.	13.6	267
26	Mutants Affecting the Structure of the Cortical Endoplasmic Reticulum in Saccharomyces cerevisiae. Journal of Cell Biology, 2000, 150, 461-474.	2.3	263
27	Designing biological compartmentalization. Trends in Cell Biology, 2012, 22, 662-670.	3.6	257
28	Identification of an Evolutionarily Conserved Domain in Human Lens Epithelium-derived Growth Factor/Transcriptional Co-activator p75 (LEDGF/p75) That Binds HIV-1 Integrase. Journal of Biological Chemistry, 2004, 279, 48883-48892.	1.6	248
29	Synthetic biology in mammalian cells: next generation research tools and therapeutics. Nature Reviews Molecular Cell Biology, 2014, 15, 95-107.	16.1	246
30	Modularity of a carbon-fixing protein organelle. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 478-483.	3.3	231
31	Better together: engineering and application of microbial symbioses. Current Opinion in Biotechnology, 2015, 36, 40-49.	3.3	226
32	Engineering Cyanobacteria To Synthesize and Export Hydrophilic Products. Applied and Environmental Microbiology, 2010, 76, 3462-3466.	1.4	222
33	Integrating Biological Redesign: Where Synthetic Biology Came From and Where It Needs to Go. Cell, 2014, 157, 151-161.	13.5	211
34	Rational design of memory in eukaryotic cells. Genes and Development, 2007, 21, 2271-2276.	2.7	208
35	Genetically Encoded Short Peptide Tags for Orthogonal Protein Labeling by Sfp and AcpS Phosphopantetheinyl Transferases. ACS Chemical Biology, 2007, 2, 337-346.	1.6	207
36	A GTPase Controlling Nuclear Trafficking: Running the Right Way or Walking RANdomly?. Cell, 1996, 87, 1-4.	13.5	202

#	Article	IF	Citations
37	The Genome Project-Write. Science, 2016, 353, 126-127.	6.0	194
38	Messenger RNAs are recruited for nuclear export during transcription. Genes and Development, 2001, 15, 1771-1782.	2.7	193
39	Use of time-lapse microscopy to visualize rapid movement of the replication origin region of the chromosome during the cell cycle in Bacillus subtilis. Molecular Microbiology, 1998, 28, 883-892.	1.2	189
40	Genome-wide analysis of RNAâ€"protein interactions illustrates specificity of the mRNA export machinery. Nature Genetics, 2003, 33, 155-161.	9.4	187
41	Coupling and coordination in gene expression processes: a systems biology view. Nature Reviews Genetics, 2008, 9, 38-48.	7.7	184
42	Learning a Prior on Regulatory Potential from eQTL Data. PLoS Genetics, 2009, 5, e1000358.	1.5	177
43	CARM1 Regulates Estrogen-Stimulated Breast Cancer Growth through Up-regulation of <i>E2F1</i>. Cancer Research, 2008, 68, 301-306.	0.4	176
44	Developmentally induced changes in transcriptional program alter spatial organization across chromosomes. Genes and Development, 2005, 19, 1188-1198.	2.7	171
45	Tailored fatty acid synthesis via dynamic control of fatty acid elongation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11290-11295.	3.3	171
46	Ambient nitrogen reduction cycle using a hybrid inorganicâ€"biological system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6450-6455.	3.3	167
47	Global histone acetylation induces functional genomic reorganization at mammalian nuclear pore complexes. Genes and Development, 2008, 22, 627-639.	2.7	165
48	Pre-mRNA processing factors are required for nuclear export. Rna, 2000, 6, 1737-1749.	1.6	161
49	Dynamics in the mixed microbial concourse. Genes and Development, 2010, 24, 2603-2614.	2.7	159
50	Bipartite Signals Mediate Subcellular Targeting of Tail-anchored Membrane Proteins in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2003, 278, 8219-8223.	1.6	156
51	Identification and Characterization of Two Putative Human Arginine Methyltransferases (HRMT1L1 and) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	151
52	A subset of membrane-associated proteins is ubiquitinated in response to mutations in the endoplasmic reticulum degradation machinery. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12735-12740.	3.3	151
53	PRMT3 is a ribosomal protein methyltransferase that affects the cellular levels of ribosomal subunits. EMBO Journal, 2004, 23, 2641-2650.	3.5	148
54	<i>In vivo</i>co-localization of enzymes on RNA scaffolds increases metabolic production in a geometrically dependent manner. Nucleic Acids Research, 2014, 42, 9493-9503.	6.5	143

#	Article	IF	Citations
55	A systems view of mRNP biology. Genes and Development, 2004, 18, 2845-2860.	2.7	137
56	Engineering synthetic TAL effectors with orthogonal target sites. Nucleic Acids Research, 2012, 40, 7584-7595.	6.5	137
57	Tools for the Microbiome: Nano and Beyond. ACS Nano, 2016, 10, 6-37.	7.3	137
58	Slk19p Is a Centromere Protein That Functions to Stabilize Mitotic Spindles. Journal of Cell Biology, 1999, 146, 415-425.	2.3	136
59	Mapping Interactions between Nuclear Transport Factors in Living Cells Reveals Pathways through the Nuclear Pore Complex. Molecular Cell, 2000, 5, 133-140.	4.5	135
60	The Genome-Wide Localization of Rsc9, a Component of the RSC Chromatin-Remodeling Complex, Changes in Response to Stress. Molecular Cell, 2002, 9, 563-573.	4.5	135
61	In or out? Regulating nuclear transport. Current Opinion in Cell Biology, 1999, 11, 241-247.	2.6	131
62	Improving carbon fixation pathways. Current Opinion in Chemical Biology, 2012, 16, 337-344.	2.8	129
63	Widespread distribution of encapsulin nanocompartments reveals functional diversity. Nature Microbiology, 2017, 2, 17029.	5.9	129
64	Designing biological systems. Genes and Development, 2007, 21, 242-254.	2.7	128
65	Unified nomenclature for subunits of the Saccharomyces cerevisiae proteasome regulatory particle. Trends in Biochemical Sciences, 1998, 23, 244-245.	3.7	127
66	Protein and RNA Export from the Nucleus. Developmental Cell, 2002, 2, 261-272.	3.1	127
67	Interactions between a Nuclear Transporter and a Subset of Nuclear Pore Complex Proteins Depend on Ran GTPase. Molecular and Cellular Biology, 1999, 19, 1547-1557.	1.1	124
68	Arginine methyltransferase affects interactions and recruitment of mRNA processing and export factors. Genes and Development, 2004, 18, 2024-2035.	2.7	119
69	Rewiring hydrogenase-dependent redox circuits in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3941-3946.	3.3	119
70	Parts plus pipes: Synthetic biology approaches to metabolic engineering. Metabolic Engineering, 2012, 14, 223-232.	3.6	119
71	Class II Integrase Mutants with Changes in Putative Nuclear Localization Signals Are Primarily Blocked at a Postnuclear Entry Step of Human Immunodeficiency Virus Type 1 Replication. Journal of Virology, 2004, 78, 12735-12746.	1.5	115
72	The Bacterial Carbon-Fixing Organelle Is Formed by Shell Envelopment of Preassembled Cargo. PLoS ONE, 2013, 8, e76127.	1.1	114

#	Article	IF	Citations
73	The structure and oligomerization of the yeast arginine methyltransferase, Hmt1. Nature Structural Biology, 2000, 7, 1165-1171.	9.7	112
74	The Yeast Dynactin Complex Is Involved in Partitioning the Mitotic Spindle between Mother and Daughter Cells during Anaphase B. Molecular Biology of the Cell, 1998, 9, 1741-1756.	0.9	109
75	Cse1p Is Required for Export of Srp1p/Importin-Î± from the Nucleus in Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 35142-35146.	1.6	108
76	Insulation of a synthetic hydrogen metabolism circuit in bacteria. Journal of Biological Engineering, 2010, 4, 3.	2.0	108
77	Rational Design of Evolutionarily Stable Microbial Kill Switches. Molecular Cell, 2017, 68, 686-697.e3.	4.5	108
78	Prokaryotic nanocompartments form synthetic organelles in a eukaryote. Nature Communications, 2018, 9, 1311.	5.8	107
79	A tunable zinc finger-based framework for Boolean logic computation in mammalian cells. Nucleic Acids Research, 2012, 40, 5180-5187.	6.5	105
80	A Catalytic Nanoreactor Based on in Vivo Encapsulation of Multiple Enzymes in an Engineered Protein Nanocompartment. ChemBioChem, 2016, 17, 1931-1935.	1.3	102
81	Synthetic photosynthetic consortia define interactions leading to robustness and photoproduction. Journal of Biological Engineering, 2017, 11, 4.	2.0	97
82	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	9.0	97
83	Large protein organelles form a new iron sequestration system with high storage capacity. ELife, 2019, 8, .	2.8	92
84	Defossiling Fuel: How Synthetic Biology Can Transform Biofuel Production. ACS Chemical Biology, 2008, 3, 13-16.	1.6	91
85	De novo-designed translation-repressing riboregulators for multi-input cellular logic. Nature Chemical Biology, 2019, 15, 1173-1182.	3.9	90
86	Arginine methylation and binding of Hrp1p to the efficiency element for mRNA 3â€²-end formation. Rna, 1999, 5, 272-280.	1.6	75
87	Expression of the sub-pathways of the Chloroflexus aurantiacus 3-hydroxypropionate carbon fixation bicycle in E. coli: Toward horizontal transfer of autotrophic growth. Metabolic Engineering, 2013, 16, 130-139.	3.6	73
88	Rapid construction of insulated genetic circuits via synthetic sequence-guided isothermal assembly. Nucleic Acids Research, 2014, 42, 681-689.	6.5	72
89	Global analysis of mRNA splicing. Rna, 2008, 14, 197-203.	1.6	69
90	Synthetic memory circuits for tracking human cell fate. Genes and Development, 2012, 26, 1486-1497.	2.7	66

#	Article	IF	Citations
91	Converting a Natural Protein Compartment into a Nanofactory for the Size-Constrained Synthesis of Antimicrobial Silver Nanoparticles. ACS Synthetic Biology, 2016, 5, 1497-1504.	1.9	65
92	Unique nucleotide sequenceâ€“guided assembly of repetitive DNA parts for synthetic biology applications. Nature Protocols, 2014, 9, 2075-2089.	5.5	64
93	Creating Single-Copy Genetic Circuits. Molecular Cell, 2016, 63, 329-336.	4.5	62
94	Valorization of CO2 through lithoautotrophic production of sustainable chemicals in Cupriavidus necator. Metabolic Engineering, 2020, 62, 207-220.	3.6	60
95	Two- and three-input TALE-based AND logic computation in embryonic stem cells. Nucleic Acids Research, 2013, 41, 9967-9975.	6.5	59
96	Towards a Synthetic Chloroplast. PLoS ONE, 2011, 6, e18877.	1.1	59
97	Encapsulation as a Strategy for the Design of Biological Compartmentalization. Journal of Molecular Biology, 2016, 428, 916-927.	2.0	58
98	In situ reprogramming of gut bacteria by oral delivery. Nature Communications, 2020, 11, 5030.	5.8	58
99	Designing and using RNA scaffolds to assemble proteins in vivo. Nature Protocols, 2012, 7, 1797-1807.	5.5	57
100	Spatial and Temporal Organization of Chromosome Duplication and Segregation in the Cyanobacterium Synechococcus elongatus PCC 7942. PLoS ONE, 2012, 7, e47837.	1.1	57
101	Synthetic biology: exploring and exploiting genetic modularity through the design of novel biological networks. Molecular BioSystems, 2009, 5, 704.	2.9	55
102	Large-scale recoding of a bacterial genome by iterative recombineering of synthetic DNA. Nucleic Acids Research, 2017, 45, 6971-6980.	6.5	54
103	Bacterial variability in the mammalian gut captured by a single-cell synthetic oscillator. Nature Communications, 2019, 10, 4665.	5.8	54
104	The case for biotech on Mars. Nature Biotechnology, 2020, 38, 401-407.	9.4	53
105	A distributed cell division counter reveals growth dynamics in the gut microbiota. Nature Communications, 2015, 6, 10039.	5.8	50
106	Theranostic cells: emerging clinical applications of synthetic biology. Nature Reviews Genetics, 2021, 22, 730-746.	7.7	49
107	Induction of Biogenic Magnetization and Redox Control by a Component of the Target of Rapamycin Complex 1 Signaling Pathway. PLoS Biology, 2012, 10, e1001269.	2.6	48
108	Building Spatial Synthetic Biology with Compartments, Scaffolds, and Communities. Cold Spring Harbor Perspectives in Biology, 2016, 8, a024018.	2.3	46

#	Article	IF	Citations
109	Engineering carbon fixation with artificial protein organelles. Current Opinion in Biotechnology, 2017, 46, 42-50.	3.3	45
110	Harnessing nature's toolbox: regulatory elements for synthetic biology. Journal of the Royal Society Interface, 2009, 6, S535-46.	1.5	42
111	Synthetic Lipid-Containing Scaffolds Enhance Production by Colocalizing Enzymes. ACS Synthetic Biology, 2016, 5, 1396-1403.	1.9	39
112	Engineered Interspecies Amino Acid Cross-Feeding Increases Population Evenness in a Synthetic Bacterial Consortium. MSystems, 2019, 4, .	1.7	39
113	Eukaryotic systems broaden the scope of synthetic biology. Journal of Cell Biology, 2009, 187, 589-596.	2.3	38
114	Biological-inorganic hybrid systems as a generalized platform for chemical production. Current Opinion in Chemical Biology, 2017, 41, 107-113.	2.8	36
115	Synthetic Cassettes for pH-Mediated Sensing, Counting, and Containment. Cell Reports, 2020, 30, 3139-3148.e4.	2.9	36
116	Stable Neutralization of a Virulence Factor in Bacteria Using Temperate Phage in the Mammalian Gut. MSystems, 2020, 5, .	1.7	36
117	The Discovery of Twenty-Eight New Encapsulin Sequences, Including Three in Anammox Bacteria. Scientific Reports, 2019, 9, 20122.	1.6	34
118	Synthetic circuit identifies subpopulations with sustained memory of DNA damage. Genes and Development, 2011, 25, 434-439.	2.7	32
119	Grown, Printed, and Biologically Augmented: An Additively Manufactured Microfluidic Wearable, Functionally Templated for Synthetic Microbes. 3D Printing and Additive Manufacturing, 2016, 3, 79-89.	1.4	32
120	Synthetic Gene Circuits Enable Systems-Level Biosensor Trigger Discovery at the Host-Microbe Interface. MSystems, 2019, 4, .	1.7	32
121	Systems-Level Engineering of Nonfermentative Metabolism in Yeast. Genetics, 2009, 183, 385-397.	1.2	31
122	Engineering Genetically-Encoded Mineralization and Magnetism via Directed Evolution. Scientific Reports, 2016, 6, 38019.	1.6	31
123	Streptomyces thermoautotrophicus does not fix nitrogen. Scientific Reports, 2016, 6, 20086.	1.6	31
124	Transplantability of a circadian clock to a noncircadian organism. Science Advances, 2015, 1, .	4.7	29
125	Solar-powered CO2 reduction by a hybrid biological | inorganic system. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 358, 411-415.	2.0	29
126	Controlling the Implementation of Transgenic Microbes: Are We Ready for What Synthetic Biology Has to Offer?. Molecular Cell, 2020, 78, 614-623.	4.5	28

#	Article	IF	Citations
127	Enhancement of Cell Type Specificity by Quantitative Modulation of a Chimeric Ligand. Journal of Biological Chemistry, 2008, 283, 8469-8476.	1.6	27
128	Synthetic biology expands chemical control of microorganisms. Current Opinion in Chemical Biology, 2015, 28, 20-28.	2.8	27
129	Barcoded microbial system for high-resolution object provenance. Science, 2020, 368, 1135-1140.	6.0	27
130	Using synthetic RNAs as scaffolds and regulators. Nature Structural and Molecular Biology, 2015, 22, 8-10.	3.6	26
131	Quorum Sensing Can Be Repurposed To Promote Information Transfer between Bacteria in the Mammalian Gut. ACS Synthetic Biology, 2018, 7, 2270-2281.	1.9	26
132	A synthetic system links FeFe-hydrogenases to essential E. coli sulfur metabolism. Journal of Biological Engineering, 2011, 5, 7.	2.0	24
133	Identification and selective expansion of functionally superior T cells expressing chimeric antigen receptors. Journal of Translational Medicine, 2015, 13, 161.	1.8	24
134	Exploring targeting peptide-shell interactions in encapsulin nanocompartments. Scientific Reports, 2021, 11, 4951.	1.6	24
135	A BioBrick compatible strategy for genetic modification of plants. Journal of Biological Engineering, 2012, 6, 8.	2.0	22
136	Sun-driven microbial synthesis of chemicals in space. International Journal of Astrobiology, 2011, 10, 359-364.	0.9	19
137	Engineering acyl carrier protein to enhance production of shortened fatty acids. Biotechnology for Biofuels, 2016, 9, 24.	6.2	19
138	A Tunable Protein Piston That Breaks Membranes to Release Encapsulated Cargo. ACS Synthetic Biology, 2016, 5, 303-311.	1.9	19
139	Identification of a Fifth Antibacterial Toxin Produced by a Single Bacteroides fragilis Strain. Journal of Bacteriology, 2019, 201, .	1.0	19
140	Efficient size-independent chromosome delivery from yeast to cultured cell lines. Nucleic Acids Research, 2017, 45, gkw1252.	6.5	18
141	A Synthetic System That Senses <i>Candida albicans</i> and Inhibits Virulence Factors. ACS Synthetic Biology, 2019, 8, 434-444.	1.9	18
142	Toward a translationally independent RNA-based synthetic oscillator using deactivated CRISPR-Cas. Nucleic Acids Research, 2020, 48, 8165-8177.	6.5	18
143	Anti-glycophorin single-chain Fv fusion to low-affinity mutant erythropoietin improves red blood cell-lineage specificity. Protein Engineering, Design and Selection, 2010, 23, 251-260.	1.0	17
144	Targeted erythropoietin selectively stimulates red blood cell expansion in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5245-5250.	3.3	16

#	Article	IF	Citations
145	Synthetic genome recoding: new genetic codes for new features. Current Genetics, 2018, 64, 327-333.	0.8	16
146	Chimeric Fatty Acyl-Acyl Carrier Protein Thioesterases Provide Mechanistic Insight into Enzyme Specificity and Expression. Applied and Environmental Microbiology, 2018, 84, .	1.4	15
147	Superresolution microscopy of the Î²-carboxysome reveals a homogeneous matrix. Molecular Biology of the Cell, 2017, 28, 2734-2745.	0.9	14
148	13C-Labeling the carbon-fixation pathway of a highly efficient artificial photosynthetic system. Faraday Discussions, 2017, 198, 529-537.	1.6	11
149	Dynamics simulations for engineering macromolecular interactions. Chaos, 2013, 23, 025110.	1.0	10
150	Systems engineering without an engineer: Why we need systems biology. Complexity, 2007, 13, 22-29.	0.9	9
151	Making Biology Easier to Engineer. BioSocieties, 2009, 4, 283-289.	0.8	9
152	Natural and Designed Proteins Inspired by Extremotolerant Organisms Can Form Condensates and Attenuate Apoptosis in Human Cells. ACS Synthetic Biology, 2022, 11, 1292-1302.	1.9	9
153	Harnessing undomesticated life. Nature Microbiology, 2019, 4, 212-213.	5.9	8
154	Enabling community-based metrology for wood-degrading fungi. Fungal Biology and Biotechnology, 2020, 7, 2.	2.5	8
155	Transient Gene Expression in Tobacco using Gibson Assembly and the Gene Gun. Journal of Visualized Experiments, 2014, , .	0.2	7
156	Designing Cell-Targeted Therapeutic Proteins Reveals the Interplay between Domain Connectivity and Cell Binding. Biophysical Journal, 2014, 107, 2456-2466.	0.2	6
157	Escherichia coli NGF-1, a Genetically Tractable, Efficiently Colonizing Murine Gut Isolate. Microbiology Resource Announcements, 2018, 7, .	0.3	6
158	Beyond the Four Bases: A Home Run for Synthetic Epigenetic Control?. Molecular Cell, 2019, 74, 5-7.	4.5	6
159	Rational Design of a Bifunctional AND-Gate Ligand To Modulate Cellâ€“Cell Interactions. ACS Synthetic Biology, 2020, 9, 191-197.	1.9	6
160	Induced sensitivity of<i>Bacillus subtilis</i>colony morphology to mechanical media compression. PeerJ, 2014, 2, e597.	0.9	5
161	High-Content Screening and Computational Prediction Reveal Viral Genes That Suppress the Innate Immune Response. MSystems, 2022, 7, e0146621.	1.7	5
162	Genome-wide RNAi screen discovers functional coupling of alternative splicing and cell cycle control to apoptosis regulation. Cell Cycle, 2010, 9, 4419-4421.	1.3	4

#	Article	IF	Citations
163	Therapeutic potential of retroviral RNAi vectors. Expert Opinion on Biological Therapy, 2004, 4, 319-327.	1.4	3
164	Rational engineering of an erythropoietin fusion protein to treat hypoxia. Protein Engineering, Design and Selection, 2021, 34, .	1.0	3
165	Recording cellular experiences of DNA damage. Cell Cycle, 2011, 10, 2410-2411.	1.3	2
166	Modular and Single-Cell Sensors of Bacterial Ser/Thr Kinase Activity. ACS Synthetic Biology, 2021, 10, 2340-2350.	1.9	2
167	Ribocomputing devices for sophisticated in vivo logic computation. , 2016, , .		1
168	Mammalian Cells Engineered To Produce New Steroids. ChemBioChem, 2018, 19, 1827-1833.	1.3	1
169	Knowing when to change: reprogramming (my) life. Nature Cell Biology, 2010, 12, 730-730.	4.6	0
170	Synthetic meets cell biology. Molecular Biology of the Cell, 2012, 23, 967-967.	0.9	0
171	Early-Career Scientists Shaping the World. MSystems, 2019, 4, .	1.7	0
172	Connecting the Genome to the Cytoplasm. FASEB Journal, 2008, 22, 112.1.	0.2	0
173	Minimizing side effects, maximizing returns: what makes a smart therapeutic design?. Biochemist, 2019, 41, 28-32.	0.2	0