Joaquin Ortega

List of Publications by Year
in descending order

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53 papers	2,543 citations	279798 23 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	4223 citing authors

#	Article	IF	Citations
1	A new system for naming ribosomal proteins. Current Opinion in Structural Biology, 2014, 24, 165-169.	5.7	481
2	Porphyrinâ€“phospholipid liposomes permeabilized by near-infrared light. Nature Communications, 2014, 5, 3546.	12.8	282
3	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. Cell Metabolism, 2016, 24, 118-129.	16.2	259
4	Doxorubicin encapsulated in stealth liposomes conferred with light-triggered drug release. Biomaterials, 2016, 75, 193-202.	11.4	201
5	A malaria vaccine adjuvant based on recombinant antigen binding to liposomes. Nature Nanotechnology, 2018, 13, 1174-1181.	31.5	100
6	Molecular Mechanism for the (â˜)-Epigallocatechin Gallate-Induced Toxic to Nontoxic Remodeling of AÎ² Oligomers. Journal of the American Chemical Society, 2017, 139, 13720-13734.	13.7	78
7	SARSâ€CoVâ€2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination. Advanced Materials, 2020, 32, e2005637.	21.0	74
8	Functional domains of the 50S subunit mature late in the assembly process. Nucleic Acids Research, 2014, 42, 3419-3435.	14.5	64
9	The mismatch repair and meiotic recombination endonuclease Mlh1-Mlh3 is activated by polymer formation and can cleave DNA substrates in trans. PLoS Biology, 2017, 15, e2001164.	5.6	63
10	Understanding ribosome assembly: the structure of in vivo assembled immature 30S subunits revealed by cryo-electron microscopy. Rna, 2011, 17, 697-709.	3.5	52
11	Sphingomyelin Liposomes Containing Porphyrin-phospholipid for Irinotecan Chemophototherapy. Theranostics, 2016, 6, 2329-2336.	10.0	50
12	Atomic-resolution map of the interactions between an amyloid inhibitor protein and amyloid Î² (AÎ²) peptides in the monomer and protofibril states. Journal of Biological Chemistry, 2017, 292, 17158-17168.	3.4	48
13	Porphyrin-phospholipid liposomes with tunable leakiness. Journal of Controlled Release, 2015, 220, 484-494.	9.9	44
14	YphC and YsxC GTPases assist the maturation of the central protuberance, GTPase associated region and functional core of the 50S ribosomal subunit. Nucleic Acids Research, 2016, 44, 8442-8455.	14.5	42
15	Escherichia coli rimM and yjeQ null strains accumulate immature 30S subunits of similar structure and protein complement. Rna, 2013, 19, 789-802.	3.5	41
16	A Potent Cancer Vaccine Adjuvant System for Particleization of Short, Synthetic CD8⁺ T Cell Epitopes. ACS Nano, 2021, 15, 4357-4371.	14.6	41
17	Structural consequences of the interaction of RbgA with a 50S ribosomal subunit assembly intermediate. Nucleic Acids Research, 2019, 47, 10414-10425.	14.5	38
18	Antibody response of a particle-inducing, liposome vaccine adjuvant admixed with a Pfs230 fragment. Npj Vaccines, 2020, 5, 23.	6.0	35

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19	Role of Era in assembly and homeostasis of the ribosomal small subunit. Nucleic Acids Research, 2019, 47, 8301-8317.	14.5	34
20	The cryo-EM structure of YjeQ bound to the 30S subunit suggests a fidelity checkpoint function for this protein in ribosome assembly. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3396-E3403.	7.1	33
21	Highly-Soluble Cyanine J-aggregates Entrapped by Liposomes for In Vivo Optical Imaging around 930 nm. Theranostics, 2019, 9, 381-390.	10.0	33
22	Binding properties of YjeQ (RsgA), RbfA, RimM and Era to assembly intermediates of the 30S subunit. Nucleic Acids Research, 2016, 44, gkw613.	14.5	32
23	Binding of an amphiphilic phthalocyanine to pre-formed liposomes confers light-triggered cargo release. Journal of Materials Chemistry B, 2018, 6, 7298-7305.	5.8	30
24	Structural basis for DNA targeting by the Tn7 transposon. Nature Structural and Molecular Biology, 2022, 29, 143-151.	8.2	29
25	Lyophilized, thermostable Spike or RBD immunogenic liposomes induce protective immunity against SARS-CoV-2 in mice. Science Advances, 2021, 7, eabj1476.	10.3	27
26	Escherichia coli DegP: a Structure-Driven Functional Model. Journal of Bacteriology, 2009, 191, 4705-4713.	2.2	25
27	Structural basis of sequestration of the anti-Shine-Dalgarno sequence in the Bacteroidetes ribosome. Nucleic Acids Research, 2021, 49, 547-567.	14.5	24
28	HPVâ€Associated Tumor Eradication by Vaccination with Synthetic Short Peptides and Particleâ€Forming Liposomes. Small, 2021, 17, e2007165.	10.0	23
29	Nuclear RNR-Î± antagonizes cell proliferation by directly inhibiting ZRANB3. Nature Chemical Biology, 2018, 14, 943-954.	8.0	22
30	Alternative conformations and motions adopted by 30S ribosomal subunits visualized by cryo-electron microscopy. Rna, 2020, 26, 2017-2030.	3.5	21
31	The impact of recent improvements in cryo-electron microscopy technology on the understanding of bacterial ribosome assembly. Nucleic Acids Research, 2017, 45, 1027-1040.	14.5	19
32	Particle-based, Pfs230 and Pfs25 immunization is effective, but not improved by duplexing at fixed total antigen dose. Malaria Journal, 2020, 19, 309.	2.3	19
33	Yeast Rvb1 and Rvb2 Proteins Oligomerize As a Conformationally Variable Dodecamer with Low Frequency. Journal of Molecular Biology, 2015, 427, 1875-1886.	4.2	18
34	Design of Hydrated Porphyrin-Phospholipid Bilayers with Enhanced Magnetic Resonance Contrast. Small, 2017, 13, 1602505.	10.0	18
35	Lyophilized, antigen-bound liposomes with reduced MPLA and enhanced thermostability. International Journal of Pharmaceutics, 2020, 589, 119843.	5.2	18
36	A liposome-displayed hemagglutinin vaccine platform protects mice and ferrets from heterologous influenza virus challenge. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15

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37	The C-terminal helix in the YjeQ zinc-finger domain catalyzes the release of RbfA during 30S ribosome subunit assembly. Rna, 2015, 21, 1203-1216.	3.5	14
38	Experimental and Computational Observations of Immunogenic Cobalt Porphyrin Lipid Bilayers: Nanodomain-Enhanced Antigen Association. Pharmaceutics, 2021, 13, 98.	4.5	12
39	Light-Triggered Release of Large Biomacromolecules from Porphyrin-Phospholipid Liposomes. Langmuir, 2021, 37, 10859-10865.	3.5	12
40	Erythro-VLPs: Anchoring SARS-CoV-2 spike proteins in erythrocyte liposomes. PLoS ONE, 2022, 17, e0263671.	2.5	10
41	Single-treatment tumor ablation with photodynamic liposomal irinotecan sucrosulfate. Translational Oncology, 2022, 19, 101390.	3.7	9
42	Anti-cancer liposomal chemophototherapy using bilayer-localized photosensitizer and cabazitaxel. Nano Research, 2022, 15, 4302-4309.	10.4	8
43	Surfactantâ€Stripped Cabazitaxel Micelles Stabilized by Clotrimazole or Mifepristone. Advanced Therapeutics, 2020, 3, 1900161.	3.2	7
44	Immunization with short peptide particles reveals a functional CD8⁺ T-cell neoepitope in a murine renal carcinoma model. , 2021, 9, e003101.		7
45	Positionâ€Scanning Peptide Libraries as Particle Immunogens for Improving CD8 + Tâ€Cell Responses. Advanced Science, 2021, , 2103023.	11.2	5
46	RbgA ensures the correct timing in the maturation of the 50S subunits functional sites. Nucleic Acids Research, 2022, , .	14.5	4
47	Cross-linked Histone as a Nanocarrier for Gut Delivery of Hydrophobic Cargos. ACS Applied Materials & Interfaces, 2021, 13, 26712-26720.	8.0	3
48	Streptomyces IHF uses multiple interfaces to bind DNA. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129405.	2.4	2
49	Final touches and quality control on the assembly of the eukaryotic ribosome. EMBO Journal, 2017, 36, 834-836.	7.8	1
50	Vaccines: SARSâ€CoVâ€2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination (Adv.) Tj ETQq0 0 0 rgBT /Overloc	21.0	1
51	Capturing Near Atomic Resolution Snapshots of the Ribosome Assembly Process Using Direct Electron Detectors. Microscopy and Microanalysis, 2017, 23, 1240-1241.	0.4	0
52	Computational Methods to Process Highly Heterogeneous Cryo-EM Samples. Microscopy and Microanalysis, 2019, 25, 1292-1293.	0.4	0
53	Pch2 is a meiotic hexameric ATPase that binds to and alters Hop1 functions. FASEB Journal, 2013, 27, 973.1.	0.5	0