

Joaquin Ortega

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,543
citations

279798

23
h-index

206112

48
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57
all docs

57
docs citations

57
times ranked

4223
citing authors

#	ARTICLE	IF	CITATIONS
1	RbgA ensures the correct timing in the maturation of the 50S subunits functional sites. <i>Nucleic Acids Research</i> , 2022, , .	14.5	4
2	Structural basis for DNA targeting by the Tn7 transposon. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 143-151.	8.2	29
3	Anti-cancer liposomal chemophototherapy using bilayer-localized photosensitizer and cabazitaxel. <i>Nano Research</i> , 2022, 15, 4302-4309.	10.4	8
4	Erythro-VLPs: Anchoring SARS-CoV-2 spike proteins in erythrocyte liposomes. <i>PLoS ONE</i> , 2022, 17, e0263671.	2.5	10
5	Single-treatment tumor ablation with photodynamic liposomal irinotecan sucrosulfate. <i>Translational Oncology</i> , 2022, 19, 101390.	3.7	9
6	Experimental and Computational Observations of Immunogenic Cobalt Porphyrin Lipid Bilayers: Nanodomain-Enhanced Antigen Association. <i>Pharmaceutics</i> , 2021, 13, 98.	4.5	12
7	A Potent Cancer Vaccine Adjuvant System for Particleization of Short, Synthetic CD8 ⁺ T Cell Epitopes. <i>ACS Nano</i> , 2021, 15, 4357-4371.	14.6	41
8	HPV-associated Tumor Eradication by Vaccination with Synthetic Short Peptides and Particle-Forming Liposomes. <i>Small</i> , 2021, 17, e2007165.	10.0	23
9	A liposome-displayed hemagglutinin vaccine platform protects mice and ferrets from heterologous influenza virus challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
10	Cross-linked Histone as a Nanocarrier for Gut Delivery of Hydrophobic Cargos. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26712-26720.	8.0	3
11	Light-Triggered Release of Large Biomacromolecules from Porphyrin-Phospholipid Liposomes. <i>Langmuir</i> , 2021, 37, 10859-10865.	3.5	12
12	Structural basis of sequestration of the anti-Shine-Dalgarno sequence in the Bacteroidetes ribosome. <i>Nucleic Acids Research</i> , 2021, 49, 547-567.	14.5	24
13	Position-Scanning Peptide Libraries as Particle Immunogens for Improving CD8 ⁺ T-cell Responses. <i>Advanced Science</i> , 2021, , 2103023.	11.2	5
14	Lyophilized, thermostable Spike or RBD immunogenic liposomes induce protective immunity against SARS-CoV-2 in mice. <i>Science Advances</i> , 2021, 7, eabj1476.	10.3	27
15	Immunization with short peptide particles reveals a functional CD8 ⁺ T-cell neoepitope in a murine renal carcinoma model. , 2021, 9, e003101.		7
16	Lyophilized, antigen-bound liposomes with reduced MPLA and enhanced thermostability. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119843.	5.2	18
17	SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination. <i>Advanced Materials</i> , 2020, 32, e2005637.	21.0	74
18	Particle-based, Pfs230 and Pfs25 immunization is effective, but not improved by duplexing at fixed total antigen dose. <i>Malaria Journal</i> , 2020, 19, 309.	2.3	19

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19	Vaccines: SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination (Adv.) <i>Trends Microbiol.</i> , 2020, 28, 100114.	21.0	107
20	Surfactant-stripped Cabazitaxel Micelles Stabilized by Clotrimazole or Mifepristone. <i>Advanced Therapeutics</i> , 2020, 3, 1900161.	3.2	7
21	Antibody response of a particle-inducing, liposome vaccine adjuvant admixed with a Pfs230 fragment. <i>Npj Vaccines</i> , 2020, 5, 23.	6.0	35
22	Alternative conformations and motions adopted by 30S ribosomal subunits visualized by cryo-electron microscopy. <i>Rna</i> , 2020, 26, 2017-2030.	3.5	21
23	Role of Era in assembly and homeostasis of the ribosomal small subunit. <i>Nucleic Acids Research</i> , 2019, 47, 8301-8317.	14.5	34
24	Computational Methods to Process Highly Heterogeneous Cryo-EM Samples. <i>Microscopy and Microanalysis</i> , 2019, 25, 1292-1293.	0.4	0
25	Structural consequences of the interaction of RbgA with a 50S ribosomal subunit assembly intermediate. <i>Nucleic Acids Research</i> , 2019, 47, 10414-10425.	14.5	38
26	<i>Streptomyces</i> IHF uses multiple interfaces to bind DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129405.	2.4	2
27	Highly-Soluble Cyanine J-aggregates Entrapped by Liposomes for <i>In Vivo</i> Optical Imaging around 930 nm. <i>Theranostics</i> , 2019, 9, 381-390.	10.0	33
28	A malaria vaccine adjuvant based on recombinant antigen binding to liposomes. <i>Nature Nanotechnology</i> , 2018, 13, 1174-1181.	31.5	100
29	Binding of an amphiphilic phthalocyanine to pre-formed liposomes confers light-triggered cargo release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7298-7305.	5.8	30
30	Nuclear RNR- \hat{I} antagonizes cell proliferation by directly inhibiting ZRANB3. <i>Nature Chemical Biology</i> , 2018, 14, 943-954.	8.0	22
31	The cryo-EM structure of YjeQ bound to the 30S subunit suggests a fidelity checkpoint function for this protein in ribosome assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3396-E3403.	7.1	33
32	Final touches and quality control on the assembly of the eukaryotic ribosome. <i>EMBO Journal</i> , 2017, 36, 834-836.	7.8	1
33	Molecular Mechanism for the $\hat{\alpha}$ -Epigallocatechin Gallate-Induced Toxic to Nontoxic Remodeling of \hat{A}^2 Oligomers. <i>Journal of the American Chemical Society</i> , 2017, 139, 13720-13734.	13.7	78
34	Atomic-resolution map of the interactions between an amyloid inhibitor protein and amyloid \hat{I}^2 (\hat{A}^2) peptides in the monomer and protofibril states. <i>Journal of Biological Chemistry</i> , 2017, 292, 17158-17168.	3.4	48
35	Design of Hydrated Porphyrin-Phospholipid Bilayers with Enhanced Magnetic Resonance Contrast. <i>Small</i> , 2017, 13, 1602505.	10.0	18
36	Capturing Near Atomic Resolution Snapshots of the Ribosome Assembly Process Using Direct Electron Detectors. <i>Microscopy and Microanalysis</i> , 2017, 23, 1240-1241.	0.4	0

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37	The impact of recent improvements in cryo-electron microscopy technology on the understanding of bacterial ribosome assembly. <i>Nucleic Acids Research</i> , 2017, 45, 1027-1040.	14.5	19
38	The mismatch repair and meiotic recombination endonuclease Mlh1-Mlh3 is activated by polymer formation and can cleave DNA substrates in trans. <i>PLoS Biology</i> , 2017, 15, e2001164.	5.6	63
39	Sphingomyelin Liposomes Containing Porphyrin-phospholipid for Irinotecan Chemophotherapy. <i>Theranostics</i> , 2016, 6, 2329-2336.	10.0	50
40	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. <i>Cell Metabolism</i> , 2016, 24, 118-129.	16.2	259
41	Binding properties of YjeQ (RsgA), RbfA, RimM and Era to assembly intermediates of the 30S subunit. <i>Nucleic Acids Research</i> , 2016, 44, gkw613.	14.5	32
42	YphC and YsxG GTPases assist the maturation of the central protuberance, GTPase associated region and functional core of the 50S ribosomal subunit. <i>Nucleic Acids Research</i> , 2016, 44, 8442-8455.	14.5	42
43	Doxorubicin encapsulated in stealth liposomes conferred with light-triggered drug release. <i>Biomaterials</i> , 2016, 75, 193-202.	11.4	201
44	Yeast Rvb1 and Rvb2 Proteins Oligomerize As a Conformationally Variable Dodecamer with Low Frequency. <i>Journal of Molecular Biology</i> , 2015, 427, 1875-1886.	4.2	18
45	The C-terminal helix in the YjeQ zinc-finger domain catalyzes the release of RbfA during 30S ribosome subunit assembly. <i>Rna</i> , 2015, 21, 1203-1216.	3.5	14
46	Porphyrin-phospholipid liposomes with tunable leakiness. <i>Journal of Controlled Release</i> , 2015, 220, 484-494.	9.9	44
47	Functional domains of the 50S subunit mature late in the assembly process. <i>Nucleic Acids Research</i> , 2014, 42, 3419-3435.	14.5	64
48	A new system for naming ribosomal proteins. <i>Current Opinion in Structural Biology</i> , 2014, 24, 165-169.	5.7	481
49	Porphyrin-phospholipid liposomes permeabilized by near-infrared light. <i>Nature Communications</i> , 2014, 5, 3546.	12.8	282
50	<i>Escherichia coli rimM</i> and <i>yjeQ</i> null strains accumulate immature 30S subunits of similar structure and protein complement. <i>Rna</i> , 2013, 19, 789-802.	3.5	41
51	Pch2 is a meiotic hexameric ATPase that binds to and alters Hop1 functions. <i>FASEB Journal</i> , 2013, 27, 973.1.	0.5	0
52	Understanding ribosome assembly: the structure of in vivo assembled immature 30S subunits revealed by cryo-electron microscopy. <i>Rna</i> , 2011, 17, 697-709.	3.5	52
53	<i>Escherichia coli</i> DegP: a Structure-Driven Functional Model. <i>Journal of Bacteriology</i> , 2009, 191, 4705-4713.	2.2	25