Javier Montenegro

List of Publications by Year in descending order

68 papers	2,938 citations	201385 27 h-index	168136 53 g-index
75 all docs	75 docs citations	75 times ranked	3618 citing authors

#	Article	IF	Citations
1	Experimental evidence for the functional relevance of anionâ€“Ï€ interactions. Nature Chemistry, 2010, 2, 533-538.	6.6	434
2	Recent synthetic transport systems. Chemical Society Reviews, 2011, 40, 2453.	18.7	321
3	Ion Channel Models Based on Self-Assembling Cyclic Peptide Nanotubes. Accounts of Chemical Research, 2013, 46, 2955-2965.	7.6	287
4	Synthetic materials at the forefront of gene delivery. Nature Reviews Chemistry, 2018, 2, 258-277.	13.8	215
5	Cellular uptake: lessons from supramolecular organic chemistry. Chemical Communications, 2015, 51, 10389-10402.	2.2	124
6	Peptide/Cas9 nanostructures for ribonucleoprotein cell membrane transport and gene edition. Chemical Science, 2017, 8, 7923-7931.	3.7	92
7	Dynamic Amphiphile Libraries To Screen for the â€œFragrantâ€•Delivery of siRNA into HeLa Cells and Human Primary Fibroblasts. Journal of the American Chemical Society, 2013, 135, 9295-9298.	6.6	85
8	1D to 2D Self Assembly of Cyclic Peptides. Journal of the American Chemical Society, 2020, 142, 300-307.	6.6	82
9	Coupling of Carbon and Peptide Nanotubes. Journal of the American Chemical Society, 2014, 136, 2484-2491.	6.6	73
10	In Situ Functionalized Polymers for siRNA Delivery. Angewandte Chemie - International Edition, 2016, 55, 7492-7495.	7.2	73
11	Pattern generation with synthetic sensing systems in lipid bilayer membranes. Chemical Science, 2011, 2, 303-307.	3.7	67
12	Supramolecular functional assemblies: dynamic membrane transporters and peptide nanotubular composites. Chemical Communications, 2017, 53, 7861-7871.	2.2	63
13	Boron clusters as broadband membrane carriers. Nature, 2022, 603, 637-642.	13.7	62
14	pH-Triggered self-assembly and hydrogelation of cyclic peptide nanotubes confined in water micro-droplets. Nanoscale Horizons, 2018, 3, 391-396.	4.1	60
15	Monitoring the Formation of Amyloid Oligomers Using Photoluminescence Anisotropy. Journal of the American Chemical Society, 2019, 141, 15605-15610.	6.6	47
16	Self-Assembly of Silver Metal Clusters of Small Atomicity on Cyclic Peptide Nanotubes. ACS Nano, 2015, 9, 10834-10843.	7.3	46
17	A Total Synthesis of Millingtonine A. Organic Letters, 2012, 14, 696-699.	2.4	38
18	Dynamic polythioesters via ring-opening polymerization of 1,4-thiazine-2,5-diones. Organic and Biomolecular Chemistry, 2009, 7, 2878.	1.5	35

#	Article	IF	Citations
19	Synthetic Supramolecular Systems in Life-like Materials and Protocell Models. CheM, 2020, 6, 1652-1682.	5.8	35
20	Synthesis of an Enlarged Library of Dynamic DNA Activators with Oxime, Disulfide and Hydrazone Bridges. Chemistry - A European Journal, 2012, 18, 10436-10443.	1.7	34
21	Highly Convergent, Stereospecific Synthesis of 11-cis-Retinoids by Metal-Catalyzed Cross-Coupling Reactions of (Z)-1-Alkenylmetals. Journal of Organic Chemistry, 2007, 72, 9572-9581.	1.7	33
22	Hiyama Cross-Coupling Reaction in the Stereospecific Synthesis of Retinoids. Organic Letters, 2009, 11, 141-144.	2.4	33
23	Membrane-Targeted Self-Assembling Cyclic Peptide Nanotubes. Current Topics in Medicinal Chemistry, 2015, 14, 2647-2661.	1.0	33
24	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. Angewandte Chemie - International Edition, 2020, 59, 6902-6908.	7.2	32
25	Crossâ€Coupling Reactions of Organosilicon Compounds in the Stereocontrolled Synthesis of Retinoids. Chemistry - A European Journal, 2012, 18, 4401-4410.	1.7	31
26	Synthesis and Supramolecular Functional Assemblies of Ratiometric pH Probes. Chemistry - A European Journal, 2020, 26, 7516-7536.	1.7	31
27	Hydrazone-modulated peptides for efficient gene transfection. Journal of Materials Chemistry B, 2017, 5, 4426-4434.	2.9	30
28	Bottom-up supramolecular assembly in two dimensions. Chemical Science, 2022, 13, 3057-3068.	3.7	30
29	Different-Length Hydrazone Activated Polymers for Plasmid DNA Condensation and Cellular Transfection. Biomacromolecules, 2018, 19, 2638-2649.	2.6	28
30	Comprehensive screening of octopus amphiphiles as DNA activators in lipid bilayers: implications on transport, sensing and cellular uptake. Organic and Biomolecular Chemistry, 2011, 9, 2641.	1.5	26
31	Where in the Cell Is our Cargo? Methods Currently Used To Study Intracellular Cytosolic Localisation. ChemBioChem, 2019, 20, 488-498.	1.3	24
32	Dynamic Octopus Amphiphiles as Powerful Activators of DNA Transporters: Differential Fragrance Sensing and Beyond. Chemistry - A European Journal, 2010, 16, 14159-14166.	1.7	22
33	Supramolecular caging for cytosolic delivery of anionic probes. Chemical Science, 2019, 10, 8930-8938.	3.7	21
34	Glycosylated Cellâ€Penetrating Peptides (GCPPs). ChemBioChem, 2019, 20, 1400-1409.	1.3	19
35	In Situ Functionalized Polymers for siRNA Delivery. Angewandte Chemie, 2016, 128, 7618-7621.	1.6	18
36	Supramolecular Recognition and Selective Protein Uptake by Peptide Hybrids. Chemistry - A European Journal, 2018, 24, 10689-10698.	1.7	17

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37	Anionic Activators for Differential Sensing with Cellâ€Penetrating Peptides. Chemistry - an Asian Journal, 2011, 6, 681-689.	1.7	15
38	Singleâ€Nucleotideâ€Resolution DNA Differentiation by Pattern Generation in Lipid Bilayer Membranes. Small, 2014, 10, 3613-3618.	5.2	15
39	Poly(acryloyl hydrazide), a versatile scaffold for the preparation of functional polymers: synthesis and post-polymerisation modification. Polymer Chemistry, 2017, 8, 4576-4584.	1.9	15
40	Supramolecular fibrillation of peptide amphiphiles induces environmental responses in aqueous droplets. Nature Communications, 2021, 12, 6421.	5.8	15
41	Synthesis of 11â€cisâ€Retinoids by Hydrosilylationâ€“Protodesilylation of an 11,12â€Didehydro Precursor: Easy Access to 11â€•and 12â€Monoâ€•and 11,12â€Dideuteroretinoids. Chemistry - A European Journal, 2012, 18, 14100-14107.	1.7	14
42	Membrane-disrupting iridium(iii) oligocationic organometallopeptides. Chemical Communications, 2016, 52, 11008-11011.	2.2	14
43	Synthesis of N-Heteroaryl Retinals and their Artificial Bacteriorhodopsins. ChemBioChem, 2005, 6, 2078-2087.	1.3	12
44	Recent Progress with Functional Biosupramolecular Systems. Langmuir, 2011, 27, 9696-9705.	1.6	12
45	Sequence Decoding of 1D to 2D Selfâ€Assembling Cyclic Peptides. Chemistry - A European Journal, 2020, 26, 14765-14770.	1.7	12
46	Synthetic polyion-counterion transport systems in polymersomes and gels. Organic and Biomolecular Chemistry, 2011, 9, 6623.	1.5	11
47	Glycosyl Aldehydes: New Scaffolds for the Synthesis of Neoglycoconjugates via Bioorthogonal Oxime Bond Formation. Synthesis, 2018, 50, 831-845.	1.2	11
48	Self-assembled micro-fibres by oxime connection of linear peptide amphiphiles. Organic and Biomolecular Chemistry, 2019, 17, 1984-1991.	1.5	11
49	Messenger RNA delivery by hydrazone-activated polymers. MedChemComm, 2019, 10, 1138-1144.	3.5	11
50	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. Angewandte Chemie, 2020, 132, 6969-6975.	1.6	11
51	Conceptually New Entries into Cells. Chimia, 2011, 65, 853-858.	0.3	10
52	Oligoalanine helical callipers for cell penetration. Chemical Communications, 2018, 54, 6919-6922.	2.2	10
53	One-step chemoselective conversion of tetrahydropyranyl ethers to silyl-protected alcohols. RSC Advances, 2014, 4, 14475-14479.	1.7	6
54	1D alignment of proteins and other nanoparticles by using reversible covalent bonds on cyclic peptide nanotubes. Organic Chemistry Frontiers, 2022, 9, 1226-1233.	2.3	6

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55	Tuning the Properties of Penetrating Peptides by Oxime Conjugation. Synlett, 2017, 28, 924-928.	1.0	5
56	Novel Supramolecular Nanoparticles Derived from Cucurbit[7]uril and Zwitterionic Surfactants. Langmuir, 2018, 34, 3485-3493.	1.6	5
57	Short oligoalanine helical peptides for supramolecular nanopore assembly and protein cytosolic delivery. RSC Chemical Biology, 2021, 2, 503-512.	2.0	4
58	An Adhesive Peptide from the C-Terminal Domain of Î±-Synuclein for Single-Layer Adsorption of Nanoparticles onto Substrates. Bioconjugate Chemistry, 2020, 31, 2759-2766.	1.8	3
59	Stronger Together: Multivalent Phage Capsids Inhibit Virus Entry. ChemBioChem, 2021, 22, 478-480.	1.3	3
60	Glycan shields for penetrating peptides. Chemical Communications, 2022, 58, 1394-1397.	2.2	2
61	Dynamic Nanosurface Reconfiguration by Host-Guest Supramolecular Interactions. Nanoscale, 2022, , .	2.8	2
62	Cyclization and Self-Assembly of. Methods in Molecular Biology, 2022, 2371, 449-466.	0.4	1
63	Functional Biosupramolecular Systems. Chimia, 2009, 63, 881.	0.3	0
64	Inside Cover: Anionic Activators for Differential Sensing with Cell-Penetrating Peptides (Chem. Asian J.) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	0
65	Biomembranes: Single-Nucleotide-Resolution DNA Differentiation by Pattern Generation in Lipid Bilayer Membranes (Small 18/2014). Small, 2014, 10, 3612-3612.	5.2	0
66	RÃ¼cktitelbild: In Situ Functionalized Polymers for siRNA Delivery (Angew. Chem. 26/2016). Angewandte Chemie, 2016, 128, 7676-7676.	1.6	0
67	Highlights from the 52nd EUCHEM conference on stereochemistry, BÃ¼rgenstock, Switzerland, May 2017. Chemical Communications, 2017, 53, 9960-9966.	2.2	0
68	Frontispiece: Synthesis and Supramolecular Functional Assemblies of Ratiometric pH Probes. Chemistry - A European Journal, 2020, 26, .	1.7	0