Anil K Mehta

List of Publications by Year
in descending order

32 papers	1,647 citations	361413 20 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1876 citing authors

#	Article	IF	Citations
1	Electrostatic Complementarity Drives Amyloid/Nucleic Acid Coâ€Assembly. Angewandte Chemie - International Edition, 2020, 59, 358-363.	13.8	29
2	Electrostatic Complementarity Drives Amyloid/Nucleic Acid Coâ€Assembly. Angewandte Chemie, 2020, 132, 366-371.	2.0	8
3	Liquidâ€Like Phases Preorder Peptides for Supramolecular Assembly. ChemSystemsChem, 2020, 2, e2000046.	2.6	2
4	Liquidâ€Like Phases Preorder Peptides for Supramolecular Assembly. ChemSystemsChem, 2020, 2, e2000007.	2.6	5
5	NMR Crystallography: Evaluation of Hydrogen Positions in Hydromagnesite by ¹³C{¹H} REDOR Solidâ€State NMR and Density Functional Theory Calculation of Chemical Shielding Tensors. Angewandte Chemie - International Edition, 2019, 58, 4210-4216.	13.8	18
6	NMR Crystallography: Evaluation of Hydrogen Positions in Hydromagnesite by 13 C{ 1 H} REDOR Solidâ€State NMR and Density Functional Theory Calculation of Chemical Shielding Tensors. Angewandte Chemie, 2019, 131, 4254-4260.	2.0	2
7	Speciation and Dynamics in the [Co₄V₂W₁₈O₆₈]^{10â€“}/Co(II)_{aq}/Co₃_x Catalytic Water Oxidation System. ACS Catalysis, 2018, 8, 11952-11959.	10.2	19
8	Design of multi-phase dynamic chemical networks. Nature Chemistry, 2017, 9, 799-804.	13.6	57
9	Catalytic diversity in self-propagating peptide assemblies. Nature Chemistry, 2017, 9, 805-809.	13.6	172
10	Spectroscopic Characterization of Adsorbed ¹³CO₂ on 3-Aminopropylsilyl-Modified SBA15 Mesoporous Silica. Environmental Science & Technology, 2017, 51, 6553-6559.	10.0	39
11	Expanding the informational chemistries of life: peptide/RNA networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160356.	3.4	11
12	Design of Asymmetric Peptide Bilayer Membranes. Journal of the American Chemical Society, 2016, 138, 3579-3586.	13.7	72
13	Defining the Dynamic Conformational Networks of Crossâ€β Peptide Assembly. Israel Journal of Chemistry, 2015, 55, 763-769.	2.3	16
14	Characterization of a Mixture of CO₂ Adsorption Products in Hyperbranched Aminosilica Adsorbents by ¹³C Solid-State NMR. Environmental Science & Technology, 2015, 49, 13684-13691.	10.0	45
15	Structural analysis of CXCR4 â€“ Antagonist interactions using saturation-transfer double-difference NMR. Biochemical and Biophysical Research Communications, 2015, 466, 28-32.	2.1	12
16	Looked at Life from Both Sides Now. Life, 2014, 4, 887-902.	2.4	20
17	Kinetic Intermediates in Amyloid Assembly. Journal of the American Chemical Society, 2014, 136, 15146-15149.	13.7	85
18	Rational Design of Helical Nanotubes from Self-Assembly of Coiled-Coil Lock Washers. Journal of the American Chemical Society, 2013, 135, 15565-15578.	13.7	112

#	Article	IF	Citations
19	Context dependence of protein misfolding and structural strains in neurodegenerative diseases. Biopolymers, 2013, 100, 722-730.	2.4	13
20	Digital and Analog Chemical Evolution. Accounts of Chemical Research, 2012, 45, 2189-2199.	15.6	43
21	Remodeling Crossâ€Î² Nanotube Surfaces with Peptide/Lipid Chimeras. Angewandte Chemie - International Edition, 2012, 51, 6635-6638.	13.8	40
22	Phase Networks of Cross-Î² Peptide Assemblies. Langmuir, 2012, 28, 6386-6395.	3.5	75
23	Peptides Organized as Bilayer Membranes. Angewandte Chemie - International Edition, 2010, 49, 4104-4107.	13.8	71
24	Peptide membranes in chemical evolutionâ˜†. Current Opinion in Chemical Biology, 2009, 13, 652-659.	6.1	52
25	Templating Molecular Arrays in Amyloidâ€™s Cross-Î² Grooves. Journal of the American Chemical Society, 2009, 131, 10165-10172.	13.7	81
26	Nucleobase-Directed Amyloid Nanotube Assembly. Journal of the American Chemical Society, 2008, 130, 16867-16869.	13.7	50
27	Facial Symmetry in Protein Self-Assembly. Journal of the American Chemical Society, 2008, 130, 9829-9835.	13.7	233
28	Engineering metal ion coordination to regulate amyloid fibril assembly and toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13313-13318.	7.1	131
29	Boltzmann Statistics Rotational-Echo Double-Resonance Analysis. Journal of Physical Chemistry B, 2007, 111, 7802-7811.	2.6	26
30	Macroscale assembly of peptide nanotubes. Chemical Communications, 2007, , 2729.	4.1	57
31	Controlling amyloid growth in multiple dimensions. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2006, 13, 206-215.	3.0	44
32	On the Emerging Codes for Chemical Evolution. , 0, , 97-113.		0