

Jean-Pierre Korb

List of Publications by Year in descending order

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18
papers

598
citations

759233

12
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839539

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all docs

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docs citations

18
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale nuclear magnetic relaxation dispersion of complex liquids in bulk and confinement. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 104, 12-55.	7.5	115
2	Dynamics and Wettability of Oil and Water in Oil Shales. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23212-23218.	3.1	102
3	Relation and Correlation between NMR Relaxation Times, Diffusion Coefficients, and Viscosity of Heavy Crude Oils. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24439-24446.	3.1	61
4	Probing Structure and Dynamics of Bulk and Confined Crude Oils by Multiscale NMR Spectroscopy, Diffusometry, and Relaxometry. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7002-7014.	2.6	59
5	Dimensionality of Diffusive Exploration at the Protein Interface in Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13347-13356.	2.6	41
6	Multi-dimensional Nuclear Magnetic Resonance Characterizations of Dynamics and Saturations of Brine/Crude Oil/Mud Filtrate Mixtures Confined in Rocks: The Role of Asphaltene. <i>Energy & Fuels</i> , 2014, 28, 1629-1640.	5.1	38
7	Water and Backbone Dynamics in a Hydrated Protein. <i>Biophysical Journal</i> , 2010, 98, 138-146.	0.5	36
8	Multi-scales nuclear spin relaxation of liquids in porous media. <i>Comptes Rendus Physique</i> , 2010, 11, 192-203.	0.9	23
9	Probing Dynamics and Interaction of Maltenes with Asphaltene Aggregates in Crude Oils by Multiscale NMR. <i>Energy & Fuels</i> , 2015, 29, 4911-4920.	5.1	23
10	Ion-specificity and surface water dynamics in protein solutions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30340-30350.	2.8	20
11	Paramagnetic relaxation of protons in rotationally immobilized proteins. <i>Journal of Chemical Physics</i> , 2006, 124, 134910.	3.0	18
12	Noninvasive Experimental Evidence of the Linear Pore Size Dependence of Water Diffusion in Nanoconfinement. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 393-398.	4.6	18
13	Extreme-Values Statistics and Dynamics of Water at Protein Interfaces. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12845-12858.	2.6	12
14	Characterizing Solid-Liquid Interactions in a Mesoporous Catalyst Support Using Variable-Temperature Fast Field Cycling NMR. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8767-8778.	3.1	9
15	Multiscale Water Dynamics on Protein Surfaces: Protein-Specific Response to Surface Ions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8673-8681.	2.6	9
16	Applying Fast-Field Cycling Nuclear Magnetic Relaxation to Petroleum Tight Sandstone Rocks. <i>Energy & Fuels</i> , 2019, 33, 1016-1022.	5.1	7
17	Probing hydrocarbon dynamics at asphaltene/maltene interfaces for the global characterization of bitumen. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 21-31.	9.4	5
18	Probing Dynamics and Wettability of Water and Oil in Conventional and Unconventional Sandstone Rock Cores by Field-Cycling NMR Relaxometry. <i>Energy & Fuels</i> , 2019, 33, 10583-10592.	5.1	2