

Vladimir G Arakcheev

List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	CARS Diagnostics of Molecular Fluid Phase Behavior in Nanoporous Glasses. Springer Series in Chemical Physics, 2021, , 121-147.	0.2	0
2	CARS measurement of adsorption isotherms of carbon dioxide in Vycor glass and CARS porosimetry. Journal of Raman Spectroscopy, 2021, 52, 1507-1514.	1.2	1
3	Spectroscopic Detection of Critical Compression of Carbon Dioxide Confined in an Nanoporous Aerogel by Coherent Anti-Stokes Raman Spectroscopy. Moscow University Physics Bulletin (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 61	1.2	1
4	Selective Stimulation in Laser-Induced Synthesis of Silver Nanoparticles in Nanoporous Glass. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	1.2	1
5	Spectroscopic characterization of supercritical carbon dioxide density change under isochoric heating in mesoporous glass. Journal of Supercritical Fluids, 2019, 143, 353-357.	1.6	3
6	Effect of wavelength in laser-assisted synthesis of silver nanoparticles by supercritical deposition technique. Journal of Supercritical Fluids, 2018, 140, 159-164.	1.6	8
7	Spectroscopic characterization of adsorbate confined in small mesopores: Distinction of first surface adsorbed layer, polymolecular layers, and liquid clusters. Journal of Raman Spectroscopy, 2018, 49, 1945-1952.	1.2	6
8	Laser assisted synthesis of silver nanoparticles in silica aerogel by supercritical deposition technique. Journal of Supercritical Fluids, 2017, 127, 176-181.	1.6	11
9	CARS detection of liquid-like phase appearance in small mesopores. Laser Physics, 2017, 27, 115701.	0.6	10
10	Dynamics of formation and decay of supercritical fluid silver colloid under pulse laser ablation conditions. Russian Journal of Physical Chemistry B, 2015, 9, 1074-1081.	0.2	6
11	Photo induced processes in Ag and Eu ²⁺ -diketonates incorporated into aerogel matrix of silicon dioxide by supercritical fluid impregnation. Russian Journal of Physical Chemistry B, 2015, 9, 1137-1142.	0.2	8
12	Broadband picosecond radiation source based on noncollinear optical parametric amplifier. Quantum Electronics, 2014, 44, 335-340.	0.3	1
13	Synthesis and characterization of silver nanoparticles in a nanoporous glass. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2014, 69, 330-335.	0.1	4
14	Vibrational spectra of carbon dioxide adsorbed on nanopore walls at supermonolayer and submonolayer coverage. Journal of Raman Spectroscopy, 2014, 45, 501-506.	1.2	11
15	CARS diagnostics of fluid phase behavior in small mesopores at near critical temperatures. Journal of Raman Spectroscopy, 2013, 44, 1363-1368.	1.2	13
16	Vibrational spectra of molecular fluids in nanopores. Journal of Physics: Conference Series, 2012, 397, 012061.	0.3	0
17	Phase behavior of the molecular medium in nanopores and vibrational spectra structure transformation. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 61	1.2	1
18	CARS diagnostics of fluid adsorption and condensation in small mesopores. Journal of Raman Spectroscopy, 2011, 42, 1747-1753.	1.2	21

#	ARTICLE	IF	CITATIONS
19	Broadening peculiarities of vibrational bands in the spectrum of carbon dioxide close to the critical temperature. Russian Journal of Physical Chemistry B, 2010, 4, 1245-1251.	0.2	11
20	CARS diagnostics of phase transitions of molecular media confined in nanopores. , 2009, , .		4
21	Narrowing of the vibrational spectrum under compression of liquid carbon dioxide. JETP Letters, 2009, 90, 524-529.	0.4	12
22	Spectral characteristics of subcritical carbon dioxide in nanopores. Russian Journal of Physical Chemistry B, 2009, 3, 1062-1066.	0.2	4
23	Vibrational line shapes of liquid and subcritical carbon dioxide in nanoâ€pores. Journal of Raman Spectroscopy, 2008, 39, 750-755.	1.2	21
24	CARS diagnostics of molecular media under nanoporous confinement. Laser Physics, 2008, 18, 1451-1458.	0.6	29
25	Broadening of vibrational spectra of carbon dioxide upon absorption and condensation in nanopores. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq1 1 0.784314rgBT /Overlock 10		
26	Collisionally induced dephasing and rotational energy transfer in the CO ₂ Fermi dyad â€redâ€™ Qâ€branch 1285 cm ⁻¹ . Journal of Raman Spectroscopy, 2007, 38, 1038-1045.	1.2	13
27	Collisionally induced dephasing and rotational energy transfer in the CO ₂ Fermi dyad â€blueâ€™ Qâ€branch 1388 cm ⁻¹ . Journal of Raman Spectroscopy, 2007, 38, 1046-1051.	1.2	14
28	Transient CARS spectroscopy of rotational transitions in H ₂ : the statistical dependences of the Doppler and collision dephasing. Quantum Electronics, 2005, 35, 128-134.	0.3	0
29	CARS spectroscopy of carbon dioxide in the critical point vicinity. Quantum Electronics, 2004, 34, 86-90.	0.3	3
30	Rotational time-domain CARS in H ₂ : departure from statistically independent collisional dephasing model. Journal of Raman Spectroscopy, 2003, 34, 977-982.	1.2	7
31	Linewidths and shifts of carbon dioxide CARS spectra near the critical point. Journal of Raman Spectroscopy, 2003, 34, 952-956.	1.2	17
32	High-resolution spectroscopy of inhomogeneously broadened Raman resonances by time-domain CARS. , 2002, , .		0
33	Dicke effect in hydrogen S ₀ (0) rotational transition observed by time-domain CARS. Journal of Raman Spectroscopy, 2002, 33, 884-887.	1.2	3