

# Romulus V F Turcu

## List of Publications by Year in descending order

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36  
papers

610  
citations

759190

12  
h-index

610883

24  
g-index

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36  
docs citations

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times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratified diffusion of HOD-D2O inside COOH- and NH2-functionalized multi-walled carbon nanotubes studied by NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2022, 1249, 131653.	3.6	2
2	The Evaluation of the Four-Chamber Cardiac Dissection Method of the Fetal Heart as an Alternative to Conventional Inflowâ€“Outflow Dissection in Small Gestational-Age Fetuses. <i>Diagnostics</i> , 2022, 12, 223.	2.6	2
3	Femtosecond pulsed laser microscopy: a new tool to assess the in vitro delivered dose of carbon nanotubes in cell culture experiments. <i>Particle and Fibre Toxicology</i> , 2021, 18, 9.	6.2	2
4	The pulmonary toxicity of carboxylated or aminated multi-walled carbon nanotubes in mice is determined by the prior purification method. <i>Particle and Fibre Toxicology</i> , 2020, 17, 60.	6.2	17
5	MRI Investigations on Venomous Glands of Brown Bullhead, <i>Ameiurus nebulosus</i> (Lesueur, 1819) (Actinopterygii: Ictaluridae). <i>Pakistan Journal of Zoology</i> , 2020, 52, .	0.2	1
6	Potential clinical benefits and limitations of fetal virtopsy using highâ€“field MRI at 7 Tesla versus stereomicroscopic autopsy to assess first trimester fetuses. <i>Prenatal Diagnosis</i> , 2019, 39, 505-518.	2.3	18
7	Voltage-Controlled Synthetic Inductors for Resonant Piezoelectric Shunt Damping: A Comparative Analysis. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4777.	2.5	11
8	Dynamics of a Complex Multilayer Polymer Network: Mechanical Relaxation and Energy Transfer. <i>Polymers</i> , 2018, 10, 164.	4.5	4
9	Freeze-drying assisted solâ€“gel-derived silica-based particles embedding iron: synthesis and characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 195-203.	2.4	3
10	THE VOLUME OF THE CEREBELLUM IN THE SECOND SEMESTER OF GESTATION. <i>Medicine and Pharmacy Reports</i> , 2018, 91, 176-180.	0.4	5
11	Relaxation dynamics of a multihierarchical polymer network. <i>Journal of Chemical Physics</i> , 2017, 146, 034902.	3.0	8
12	Dynamics of a Polymer Network Based on Dual Sierpinski Gasket and Dendrimer: A Theoretical Approach. <i>Polymers</i> , 2017, 9, 245.	4.5	9
13	Imagistic and histopathological description of a cystic nephroma during early second trimester of gestation. Case report.. <i>Medical Ultrasonography</i> , 2017, 19, 327.	0.8	1
14	High Fraction of Pentaâ€“Coordinated Aluminum and Gallium in Lanthanumâ€“Aluminumâ€“Gallium Borates. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2795-2800.	3.8	11
15	Relaxation dynamics of Sierpinski hexagon fractal polymer: Exact analytical results in the Rouse-type approach and numerical results in the Zimm-type approach. <i>Journal of Chemical Physics</i> , 2016, 145, 214901.	3.0	9
16	Synthesis, structural characterization and in vitro testing of dysprosium containing silica particles as potential MRI contrast enhancing agents. <i>Applied Surface Science</i> , 2016, 385, 569-577.	6.1	2
17	Structural characterization of heavy metal SiO2â€“Bi2O3 glasses and glassâ€“ceramics. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 271-276.	3.1	14
18	FTIR and NMR evidence of aluminosilicate microspheres bioactivity tested in simulated body fluid. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 413-419.	3.1	12

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19	Contribution of post-mortem MRI to the evaluation of subtle renal anomalies in a first trimester foetus with Down syndrome. <i>Journal of Obstetrics and Gynaecology</i> , 2016, 36, 359-360.	0.9	1
20	HUMAN TOOTH AND ROOT CANAL MORPHOLOGY RECONSTRUCTION USING MAGNETIC RESONANCE IMAGING. <i>Medicine and Pharmacy Reports</i> , 2016, 89, 137-142.	0.4	9
21	Structural characterization of some sol-gel derived phosphosilicate glasses. <i>Journal of Molecular Structure</i> , 2015, 1086, 161-171.	3.6	22
22	Structural characterization of nanostructured hydroxyapatite-iron oxide composites. <i>Ceramics International</i> , 2014, 40, 11071-11078.	4.8	23
23	Clay Hydration/dehydration in Dry to Water-saturated Supercritical CO <sub>2</sub> : Implications for Caprock Integrity. <i>Energy Procedia</i> , 2013, 37, 5443-5448.	1.8	39
24	Rotor design for high pressure magic angle spinning nuclear magnetic resonance. <i>Journal of Magnetic Resonance</i> , 2013, 226, 64-69.	2.1	33
25	<i>In Situ</i> Molecular Spectroscopic Evidence for CO <sub>2</sub> Intercalation into Montmorillonite in Supercritical Carbon Dioxide. <i>Langmuir</i> , 2012, 28, 7125-7128.	3.5	117
26	Surface structure changes on aluminosilicate microspheres at the interface with simulated body fluid. <i>Corrosion Science</i> , 2012, 54, 299-306.	6.6	13
27	The role of H <sub>2</sub> O in the carbonation of forsterite in supercritical CO <sub>2</sub> . <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1081-1092.	4.6	103
28	Characterizing Surface Acidic Sites in Mesoporous-Silica-Supported Tungsten Oxide Catalysts Using Solid-State NMR and Quantum Chemistry Calculations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23354-23362.	3.1	11
29	High-pressure magic angle spinning nuclear magnetic resonance. <i>Journal of Magnetic Resonance</i> , 2011, 212, 378-385.	2.1	42
30	Amorphous and nanostructured silica and aluminosilicate spray-dried microspheres. <i>Journal of Molecular Structure</i> , 2011, 1000, 62-68.	3.6	8
31	Structural properties of yttrium aluminosilicates microspheres. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 164-168.	4.0	12
32	Structural study of spray dried silica-germanate nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 172, 68-71.	3.5	7
33	Structural changes of piezoelectric La <sub>3</sub> Ga <sub>5</sub> SiO <sub>14</sub> induced by paramagnetic ions revealed by <sup>71</sup> Ga multiple quantum magic angle spinning. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 36, 92-95.	2.3	3
34	Atomic environment in sol-gel derived nanocrystalline hydroxyapatite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 165, 247-251.	3.5	29
35	Short-range order changes induced by heat treatment in yttrium-aluminosilicate glasses. <i>Physica B: Condensed Matter</i> , 2008, 403, 139-144.	2.7	7
36	BISMUTH PARTIAL SUBSTITUTION EFFECT ON PROPERTIES OF THE Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>z</sub> SYSTEM. <i>Modern Physics Letters B</i> , 2002, 16, 769-774.	1.9	0