

List of publications - Cazacu Maria

Total Publications 271

h-index 27

Sum of Times Cited 3329

Without self citations 2393

Citing articles 2126

Without self citations 1909

- [1] B.-I. Ciubotaru, M.-F. Zaltariov, M. Dascalu, A. Bele, A. Bargan, **M. Cazacu**; Amino-functionalized silicones processed as porous dual covalent/supramolecular networks for pressure sensing; *Reactive and Functional Polymers* 194, 105792 (2024) (FI2023 = 5.1) (QFI = Q1) (AIS2022 = 0.534) (QAIS = Q2)
- [2] M. Damoc, V. Tiron, C. Tugui, C.D. Varganici, A.-C. Stoica, G. Novitchi, M. Dascalu, **M. Cazacu**; Ferronematic Co(II) complex: an active filler for magnetically actuated soft materials; *Small* 2307006 (2023) (FI2023 = 13.3) (QFI = Q1) (AIS2022 = 2.545) (QAIS = Q1)
- [3] I. Gradinaru, B.I. Ciubotaru, M. Butnaru, F.D. Cojocaru, C.T. Covasa, T. Bibire, M. Dascalu, A. Bargan, **M. Cazacu**, M.F. Zaltariov; The impact of the addition of vitamins on a silicone lining material to the oral mucosa tissue-evaluation of the biocompatibility, hydrolytic stability and histopathological effect; *Medicina* 59, 1936 (2023) (FI2023 = 2.6) (QFI = Q2) (AIS2022 = 0.531) (QAIS = Q3)
- [4] C. Tugui, **M. Cazacu**, D.M. Manoli, A. Stefan, M. Duduta; ACS Applied Polymer All-Silicone 3D printing technology: toward highly elastic dielectric elastomers and complex structures; *Materials* 5 (10), 7936-7946 (2023) (FI2023 = 5.0) (QFI = Q2) (AIS2022 = 0.818) (QAIS = Q1)
- [5] A.C. Stoica, M. Damoc, S. Shova, G. Novitchi, M. Dascalu, **M. Cazacu**; A Manganese (II) 3D Metal–Organic Framework with siloxane-spaced dicarboxylic ligand: synthesis, structure, and properties; *Inorganics* 11(1) 21 (2023) (FI2023 = 2.9) (QFI = Q2) (AIS2022 = 0.426) (QAIS = Q2)
- [6] M. Damoc, R.I. Tigoianu, A.C. Stoica, A.M. Macsim, M. Dascalu, S. Shova, M. Cazacu; Micellization turned on dual fluorescence and room temperature phosphorescence by pseudo-ESIPT in thiadiazole derivatives; *Journal of Physical Chemistry C* 127 (1), 99-109 (2023) (FI2023 = 3.7) (QFI = Q2) (AIS2022 = 0.827) (QAIS = Q2)
- [7] M.F. Zaltariov, B.I. Ciubotaru, A. Ghilan, D. Peptanariu, M. Ignat, M. Iacob, N. Vornicu, M. Cazacu; Mucoadhesive mesoporous silica particles as versatile carriers for doxorubicin delivery in cancer therapy; *International Journal of Molecular Sciences* 24, 14687 (2023) (FI2023 = 5.6) (QFI = Q1) (AIS2022 = 1.028) (QAIS = Q2)
- [8] M. Dascalu, A.-C. Stoica, A. Bele, L. Yu, D. Ionita, A.-L. Vasiliu, A.L. Skov, C. Racles, M. Cazacu; Fully carboxy-functionalized polyhedral silsesquioxanes as polar fillers to enhance the performance of dielectric silicone elastomers; *Polymer* 289, 126492 (2023) (FI2023 = 4.6) (QFI = Q1) (AIS2022 = 0.601) (QAIS = Q2)
- [9] M. Cazacu, M. Dascalu, G.T. Stiubianu, A. Bele, C. Tugui, C. Racles; From passive to emerging smart silicones; *Reviews in Chemical Engineering* 39 (6), 941-1003 (2023) (FI2023 = 4.7) (QFI = Q2) (AIS2022 = 1.014) (QAIS = Q1)

- [10] M. Iacob, V. Tiron, G.T. Stiubianu, M. Dascalu, L. Hernandez, C.D. Varganici, C. Tugui, M. Cazacu; Bentonite as an active natural filler for silicone leading to piezoelectric-like response material; *Journal of Materials Research and Technology* 17, 79-94 (2022) (FI2023 = 6.4) (QFI = Q1) (AIS2022 = 0.812) (QAIS = Q1)
- [11] B.I. Ciubotaru, M. Dascalu, M.F. Zaltariov, A.M. Macsim, M. Damoc, A. Bele, C. Tugui, C.D. Varganici, M. Cazacu; Catalyst-free crosslinked sustainable functional silicones by supramolecular interactions; *Reactive and Functional Polymers* 181, 105419/1-19 (2022) (FI2023 = 5.1) (QFI = Q1) (AIS2022 = 0.534) (QAIS = Q2)
- [12] B.I. Ciubotaru, M.F. Zaltariov, C. Tugui, I.E. Stoleru, D. Peptanariu, G.T. Stiubianu, N. Vornicu, M. Cazacu; Silicones with different crosslinking patterns: Assessment from the perspective of their suitability for biomaterials; *Surfaces and Interfaces* 32, 102168 (2022) (FI2023 = 6.2) (QFI = Q2) (AIS2022 = 0.696) (QAIS = Q1)
- [13] A.C. Stoica, M. Damoc, L. Baltag, A.M. Macsim, A. Nicolescu, M.V. Dinu, G. Ionita, M. Cazacu; One-pot reduction-hydrophobization of heterogenized platinum with 1,1,3,3-tetramethyldisiloxane; *Applied Organometallic Chemistry* 36 (1), e6485 (2022) (FI2023 = 3.9) (QFI = Q2) (AIS2022 = 0.391) (QAIS = Q2)
- [14] G.T. Stiubianu, A. Bele, M. Grigoras, C. Tugui, B.I. Ciubotaru, M.F. Zaltariov, F. Borza, L.G. Bujoreanu, M. Cazacu; Scalable silicone composites for thermal management in flexible stretchable electronics, *Batteries* 8 (8), 95 (2022) (FI2023 = 4.0) (QFI = Q2) (AIS2022 = 0.861) (QAIS = Q2)
- [15] A. Bele, M. Dascalu, C. Tugui, G.T. Stiubianu, C.D. Varganici, C. Racles, M. Cazacu, A. Ladegaard Skov; Soft silicone elastomers exhibiting large actuation strains; *Journal of Applied Polymer Science* 139(22), 52261/1-11 (2022) (FI2023 = 3.0) (QFI = Q2) (AIS2022 =) (QAIS = Q2)
- [16] M. Dascalu, A.C. Stoica, A. Bele, A.M. Macsim, A. Bargan, C.D. Varganici, G.T. Stiubianu, C. Racles, S. Shova, M. Cazacu; Octakis(carboxyalkylthioethyl)silsesquioxanes and derived metal complexes: Synthesis, characterization and catalytic activity assessments; *Journal of Inorganic and Organometallic Polymers and Materials* 32, 3955-3970 (2022) (FI2023 = 4.0) (QFI = Q2) (AIS2022 = 0.355) (QAIS = Q3)
- [17] M. Damoc, A.C. Stoica, D.A. Blaj, A.M. Macsim, M. Dascalu, C. Cojocar, S. Shova, M. Cazacu; Fourteen-member silacycle built by cascade reactions induced by a platinum catalyst; *Journal of Molecular Structure* 1269, 133760/1-8 (2022) (FI2023 = 3.8) (QFI = Q2) (AIS2022 = 0.331) (QAIS = Q4)
- [18] A.C. Stoica, M. Damoc, C. Cojocar, A. Nicolescu, S. Shova, M. Dascalu, M. Cazacu; Some theoretical and experimental evidence for particularities of the siloxane bond; *Molecules* 27(23), 8563 (2022) (FI2023 = 4.6) (QFI = Q2) (AIS2022 = 0.660) (QAIS = Q2)
- [19] G.T. Stiubianu, A. Bele, A. Bargan, V.O. Potolinca, M. Asăndulesa, C. Tugui, V. Tiron, C. Hamciuc, M. Dascalu, M. Cazacu; All-polymer piezo-composites for scalable energy harvesting and sensing devices; *Molecules* 27(23), 8524 (2022) (FI2023 = 4.6) (QFI = Q2) (AIS2022 = 0.660) (QAIS = Q2)
- [20] M. Popa, N.M. Lohan, B. Pricop, N. Cimpoesu, M. Porcescu, R.I. Comaneci, M. Cazacu, F. Borza, L.G. Bujoreanu; Structural-functional changes in a Ti50Ni45Cu5 alloy caused by training procedures based on free-recovery and work-generating shape memory effect; *Nanomaterials* 12 (12), 2088 (2022) (FI2023 = 5.3) (QFI = Q2) (AIS2022 = 0.712) (QAIS = Q2)

- [21] C. Racles, M.F. Zaltariov, D. Peptanariu, T. Vasiliu, M. Cazacu; Functionalized mesoporous silica as doxorubicin carriers and cytotoxicity boosters; *Nanomaterials* 12(11), 1823 (2022) (FI2023 = 5.3) (QFI = Q2) (AIS2022 = 0.712) (QAIS = Q2)
- [22] R.I. Gurtovyi, S.P. Gavrish, L.V. Tsybmal, M.O. Apostu, M. Cazacu, S. Shova, Y.D. Lampeka; 2D coordination polymers and ionic complexes of the nickel(II) and zinc(II) cyclam cations with trigonal carboxylate linkers based on triazine core. Crystal structures, supramolecular catenation and spectral characterization; *Polyhedron* 221, 115870 (2022) (FI2023 = 2.6) (QFI = Q2) (AIS2022 = 0.274) (QAIS = Q3)
- [23] M.-F. Zaltariov, M. Turtoi, D. Peptanariu, A.-M. Macsim, L. Clima, C. Cojocaru, N. Vornicu, B.-I. Ciubotaru, A. Bargan, M. Calin, M. Cazacu; Chemical attachment of 5-nitrosalicylaldehyde motif to silatrane resulting in an organic-inorganic structure with high medicinal significance, *Pharmaceutics* 2022, 14, 2838. (FI2023 = 5.4) (QFI = Q1) (AIS2022 = 0.756) (QAIS = Q1)
- [24] M. Dămoc, A.C. Stoica, M. Dascălu, M. Asăndulesa, S. Shova, M. Cazacu; Dual crystalline-amorphous salen-metal complexes behave like nematic droplets with AIEgens vistas; *Dalton Transactions* 50, 13841-13858 (2021) (FI2023 = 4.0) (QFI = Q1) (AIS2022 = 0.577) (QAIS = Q1)
- [25] M. Cazacu, C. Racles, M. F. Zaltariov, M. Dascălu, A. Bele, C. Țugui, A. Bargan, G. Știubianu; From amorphous silicones to Si-containing highly ordered polymers: Some Romanian contributions in the field; *Polymers* 13(10), 1605 (2021) (FI2023 = 5.0) (QFI = Q1) (AIS2022 = 0.606) (QAIS = Q1)
- [26] A.C. Stoica, M. Dămoc, M.F. Zaltariov, C. Racles, M. Cazacu; Two-dimensional coordination polymers containing permethylated motifs - promising candidates for 2D emerging materials. Structural, behavioral and functional particularities; *Reactive and Functional Polymers* 168, 105039 (2021) (FI2023 = 5.1) (QFI = Q1) (AIS2022 = 0.534) (QAIS = Q2)
- [27] C. Racles, M.-F. Zaltariov, A. Coroabă, M. Sillion, C. Diac, A. Dascălu, M. Iacob, M. Cazacu; New heterogeneous catalysts containing platinum group metals recovered from a spent catalytic converter; *Applied Organometallic Chemistry* 35, e6417 (2021) (FI2023 = 3.9) (QFI = Q2) (AIS2022 = 0.391) (QAIS = Q2)
- [28] M.Dascălu, M. Iacob, C. Țugui, A. Bele, G.-T. Știubianu, C. Racles, M. Cazacu; Octakis(phenyl)-T8-silsesquioxane-filled silicone elastomers with enhanced electromechanical capability; *Journal of Applied Polymer Science* 138 (14), 50161 (2021) (FI2023 = 3.0) (QFI = Q2) (AIS2022 = 0.365) (QAIS = Q2)
- [29] A.C. Stoica, M. Dămoc, V. Tiron, M. Dascălu, A. Coroabă, S. Shova, M. Cazacu, Silanol-functionalized tetranuclear copper complex and its nanoscale-heterogenization by immobilization on glass surface from solution; *Journal of Molecular Liquids* 344, 117742 (2021) (FI2023 = 6.0) (QFI = Q2) (AIS2022 = 0.668) (QAIS = Q2)
- [30] A. Arauzo, E. Bartolome, J. Luzon, P. Alonso, A. Vlad, M. Cazacu, M.F. Zaltariov, S. Shova, J. Bartolome, C. Turta; Slow magnetic relaxation in $\{[\text{CoC}_x\text{APy}]_2 \cdot 1.5\text{H}_2\text{O}\}_n$ MOF built from ladder-structured 2D layers with dimeric SMM rungs; *Molecules* 26(18), 5626 (2021) (FI2023 = 4.6) (QFI = Q2) (AIS2022 = 0.660) (QAIS = Q3)
- [31] C. Tugui, G.T. Știubianu, M.S. Serbulea, M. Cazacu; Silicone dielectric elastomers optimized by crosslinking pattern - a simple approach to high-performance actuators; *Polymer Chemistry* 11, 3271-3284 (2020) (FI2023 = 4.6) (QFI = Q1) (AIS2022 = 0.802) (QAIS = Q1)
- [32] S. Shova, V. Tiron, A. Vlad, G. Novitchi, D.G. Dumitrescu, M. Damoc, M.-F. Zaltariov, M. Cazacu; Permethylated dinuclear Mn(III) coordination nanostructure with stripe-ordered

magnetic domains; *Applied Organometallic Chemistry* e5957 (2020) (FI2023 = 3.9) (QFI = Q2) (AIS2022 = 0.391) (QAIS = Q2)

[33] A. Bargan, M.F. Zaltariov, A. Vlad, A.M.C. Dumitriu, A. Soroceanu, A.M. Maxim, M. Dascalu, C.D. Varganici, M. Cazacu, S. Shova; Keto-enol tautomerism in new silatranes Schiff bases tailed with different substituted salicylic aldehyde; *Arabian Journal of Chemistry* 13, 3100-3111 (2020) (FI2023 = 6.0) (QFI = Q2) (AIS2022 = 0.679) (QAIS = Q2)

[34] S. Shova, A. Vlad, M. Damoc, V. Tiron, M. Dascalu, G. Novitchi, C. Ursu, M. Cazacu; Nanoscale coordination polymer of dimanganese(II) as infinite, flexible nanosheets with photoswitchable morphology; *European Journal of Inorganic Chemistry*, (21), 2043-2054 (2020) (FI2023 = 2.3) (QFI = Q2) (AIS2022 = 0.393) (QAIS = Q2)

[35] A. Bargan, M. Cazacu, M. Dascalu, A.-M. Macsim, A. Soroceanu, I.F. Macsim; Synthesis, structural characterization and properties evaluation of two new zwitterionic siloxane compounds; *Polyhedron* 179, (2020) (FI2023 = 2.6) (QFI = Q2) (AIS2022 = 0.274) (QAIS = Q3)

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Physicochemical and Engineering Aspects, 580, 123756 (2019) (FI2023 = 5.2) (QFI = Q2) (AIS2022 = 0.600) (QAIS = Q3)

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[47] G.-O. Turcan-Trofin, M. Asandulesa, M. Balan-Porcarasu, C.-D. Varganici, V. Tiron, C. Racles, M. Cazacu; Linear and cyclic siloxanes functionalized with polar groups by thiol-ene addition: Synthesis, characterization and exploring some material behaviour; *J. Mol. Liq.* 282, 187-196 (2019) (FI2023 = 6.0) (QFI = Q2) (AIS2022 = 0.668) (QAIS = Q2)

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[52] S.P. Gavrish, S. Shova, M. Cazacu, M. Dascalu, Y.D. Lampeka; Syntheses and crystal structures of the one-dimensional coordination polymers formed by [Ni(cyclam)]²⁺ cations and 1,3-bis(3-carboxypropyl)tetramethyldisiloxane anions in different degrees of deprotonation; *Acta Crystallographica Section E: Crystallographic Communications* 76(Part 3), 446-451(2020) (FI2023 = -) (QFI = -) (AIS2022 = 0.070) (QAIS = -)

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