

# Marioara Moldovan

## List of Publications by Year in descending order

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105  
papers

855  
citations

567144

15  
h-index

610775

24  
g-index

107  
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107  
docs citations

107  
times ranked

1121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Degree of Conversion, Residual Monomers and Mechanical Properties of Some Light-Cured Dental Resin Composites. <i>Materials</i> , 2019, 12, 2109.	1.3	87
2	Flexural strength, biocompatibility, and antimicrobial activity of a polymethyl methacrylate denture resin enhanced with graphene and silver nanoparticles. <i>Clinical Oral Investigations</i> , 2020, 24, 2713-2725.	1.4	58
3	The Influence of Graphene in Improvement of Physico-Mechanical Properties in PMMA Denture Base Resins. <i>Materials</i> , 2019, 12, 2335.	1.3	47
4	Shade Correspondence, Color, and Translucency Differences between Human Dentine and a CAD/CAM Hybrid Ceramic System. <i>Journal of Esthetic and Restorative Dentistry</i> , 2016, 28, S46-55.	1.8	38
5	Synthesis, morpho-structural properties and antibacterial effect of silicate-based composites containing graphene oxide/hydroxyapatite. <i>Materials Chemistry and Physics</i> , 2018, 217, 48-53.	2.0	35
6	Influence of Filler Loading on the Mechanical Properties of Flowable Resin Composites. <i>Materials</i> , 2020, 13, 1477.	1.3	35
7	Influence of inorganic filler content on the radiopacity of dental resin cements. <i>Dental Materials Journal</i> , 2012, 31, 266-272.	0.8	31
8	The nanofiller effect on properties of experimental graphene dental nanocomposites. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 1779-1794.	1.4	26
9	The characterization of recycled PMMA. <i>Journal of Alloys and Compounds</i> , 2009, 483, 432-436.	2.8	22
10	Synthesis and Characterization of Some Graphene Oxide Powders Used as Additives in Hydraulic Mortars. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11330.	1.3	20
11	New Pre-reacted Glass Containing Dental Composites (gioners) with Improved Fluoride Release and Biocompatibility. <i>Materials</i> , 2019, 12, 4021.	1.3	19
12	Urethane dimethacrylate oligomers for dental composite matrix: Synthesis and properties. <i>Polymer Engineering and Science</i> , 2009, 49, 1127-1135.	1.5	17
13	Toxicity and efficiency study of plant extracts-based bleaching agents. <i>Clinical Oral Investigations</i> , 2017, 21, 1315-1326.	1.4	17
14	Graphene/TiO <sub>2</sub> -Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. <i>Journal of the Electrochemical Society</i> , 2018, 165, B3054-B3059.	1.3	17
15	Systemic and Local Biocompatibility Assessment of Graphene Composite Dental Materials in Experimental Mandibular Bone Defect. <i>Materials</i> , 2020, 13, 2511.	1.3	17
16	Obtaining and Characterizing Alginate/k-Carrageenan Hydrogel Cross-Linked with Adipic Dihydrazide. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-12.	1.0	16
17	Synthesis of oligomeric urethane dimethacrylates with carboxylic groups and their testing in dental composites. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1956-1967.	2.5	14
18	Sensitive detection of hydroquinone using exfoliated graphene-Au/glassy carbon modified electrode. <i>Nanotechnology</i> , 2018, 29, 095501.	1.3	14

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19	Assessment and Characterization of Some New Photosensitizers for Antimicrobial Photodynamic Therapy (aPDT). <i>Materials</i> , 2020, 13, 3012.	1.3	14
20	Effects of Monomer Composition of Urethane Methacrylate Based Resins on the C=C Degree of Conversion, Residual Monomer Content and Mechanical Properties. <i>Polymers</i> , 2021, 13, 4415.	2.0	14
21	Cytotoxicity of Experimental Resin Composites on Mesenchymal Stem Cells Isolated from Two Oral Sources. <i>Microscopy and Microanalysis</i> , 2016, 22, 1018-1033.	0.2	13
22	Preparation and Characterization of Natural Bleaching Gels Used in Cosmetic Dentistry. <i>Materials</i> , 2019, 12, 2106.	1.3	12
23	Structural and morphological properties of HA-ZnO powders prepared for biomaterials. <i>Open Chemistry</i> , 2015, 13, .	1.0	11
24	Evaluation of the biocompatibility of resin composite based dental materials with gingival mesenchymal stromal cells. <i>Microscopy Research and Technique</i> , 2019, 82, 1768-1778.	1.2	11
25	Association of Graphene Silver Polymethyl Methacrylate (PMMA) with Photodynamic Therapy for Inactivation of Halitosis Responsible Bacteria in Denture Wearers. <i>Nanomaterials</i> , 2021, 11, 1643.	1.9	11
26	The Influence of Enzymatic Hydrolysis of Whey Proteins on the Properties of Gelatin-Whey Composite Hydrogels. <i>Materials</i> , 2021, 14, 3507.	1.3	11
27	Toothpaste Composition Effect on Enamel Chromatic and Morphological Characteristics: In Vitro Analysis. <i>Materials</i> , 2019, 12, 2610.	1.3	10
28	Synthesis and characterization of graphene oxide-zirconia (GO-ZrO <sub>2</sub> ) and hydroxyapatite-zirconia (HA-ZrO <sub>2</sub> ) nano-fillers for resin-based composites for load-bearing applications. <i>Journal of Dentistry</i> , 2021, 105, 103557.	1.7	10
29	Electrospun Membranes Based on Polycaprolactone, Nano-Hydroxyapatite and Metronidazole. <i>Materials</i> , 2021, 14, 931.	1.3	10
30	Investigation of thermal and catalytic degradation of polystyrene waste into styrene monomer over natural volcanic tuff and Florisil catalysts. <i>Open Chemistry</i> , 2013, 11, 725-735.	1.0	9
31	Biology and cytotoxicity of dental materials: an in vitro study. <i>Romanian Journal of Morphology and Embryology</i> , 2013, 54, 261-5.	0.4	9
32	Various Aspects Involved in the Study of Tooth Bleaching Procedure: A Questionnaire Based Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3977.	1.2	8
33	Antimicrobial Activity and the Effect of Green Tea Experimental Gels on Teeth Surfaces. <i>Coatings</i> , 2020, 10, 537.	1.2	7
34	Photodynamic Therapy with Natural Photosensitizers in the Management of Periodontal Disease Induced in Rats. <i>Gels</i> , 2022, 8, 134.	2.1	7
35	Characterisation of surface organisation and morphology of some new experimental dental resin-based composites. <i>International Journal of Nano and Biomaterials</i> , 2011, 3, 344.	0.1	6
36	ATR technique, an appropriate method for determining the degree of conversion in dental composites. <i>Measurement Science and Technology</i> , 2016, 27, 124008.	1.4	6

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37	A Study on Revealing Agents in the Context of Photodynamic Therapy in Dental Medicine - A Literature Review. Defect and Diffusion Forum, 2017, 376, 54-65.	0.4	6
38	Water Sorption and Solubility of Flowable Giomers. Materials, 2021, 14, 2399.	1.3	6
39	Marginal Adaptation Assessment for Two Composite Layering Techniques Using Dye Penetration, AFM, SEM and FTIR: An In-Vitro Comparative Study. Applied Sciences (Switzerland), 2021, 11, 5657.	1.3	6
40	Development of New Experimental Dental Enamel Resin Infiltrantsâ€™ Synthesis and Characterization. Materials, 2022, 15, 803.	1.3	6
41	COMPARATIVE RADIOGRAPHIC ASSESSMENT OF A NEW BIOCERAMIC-BASED ROOT CANAL SEALER. Medicine and Pharmacy Reports, 2017, 90, 226-230.	0.2	5
42	Investigations on the adhesion of new composites for restoring cervical lesions using energy dispersive X-ray analysis and scanning electron microscopy. Scientific Reports, 2019, 9, 9853.	1.6	5
43	In-Vitro Comparative Adhesion Evaluation of Bioceramic and Dual-Cure Resin Endodontic Sealers Using SEM, AFM, Push-Out and FTIR. Applied Sciences (Switzerland), 2021, 11, 4454.	1.3	5
44	Preparation and In Vitro Characterization of Gels Based on Bromelain, Whey and Quince Extract. Gels, 2021, 7, 191.	2.1	5
45	New Composite Hydrogel Based on Whey and Gelatin Crosslinked with Copper Sulphate. Materials, 2022, 15, 2611.	1.3	5
46	Comparative Evaluation of Two Bracket Systemsâ€™ Kinetic Friction: Conventional and Self-Ligating. Materials, 2022, 15, 4304.	1.3	5
47	Synthesis and properties of polyurethane cationomers with urethane-cholesteryl and dodecylmethylammonium moieties. Designed Monomers and Polymers, 2006, 9, 41-53.	0.7	4
48	Synthesis and Characterization of an Experimental Zn-Hydroxyapatite Powders with Application in Dentistry. Key Engineering Materials, 0, 587, 43-51.	0.4	4
49	Analytical Approaches for Characterization of Teeth Whitening Gels Based on Natural Extracts. Key Engineering Materials, 0, 752, 24-28.	0.4	4
50	NMR T <sub>1</sub> â€™T <sub>2</sub> correlation analysis of molecular absorption inside a hardened cement paste containing silanised silica fume. Molecular Physics, 2019, 117, 1000-1005.	0.8	4
51	An Evaluation of the Demineralizing Effects of Various Acidic Solutions. Applied Sciences (Switzerland), 2021, 11, 8270.	1.3	4
52	Stability of Dental Composites in Water and Artificial Saliva. Materiale Plastice, 2019, 57, 57-66.	0.4	4
53	<i>In Vitro</i> Chewing Simulation Model Influence on the Adhesive-Tooth Structure Interface. Key Engineering Materials, 2016, 695, 77-82.	0.4	3
54	Effect of Curcumin on Oxidative Stress in a Model of Turpentine Induced Acute Experimental Inflammation. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 65-74.	0.5	3

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55	Disorders of Dental Hard Tissues Induced by Radioiodine-131 (I-131) Therapy Used in Differentiated Thyroid Cancer: An In Vitro Study. <i>Biomedicines</i> , 2020, 8, 475.	1.4	3
56	The evaluation of heavy metals in transylvania, as predictor for the health status of the exposed population. <i>Environmental Geochemistry and Health</i> , 2021, 43, 585-599.	1.8	3
57	Surface Characteristics, Fluoride Release and Bond Strength Evaluation of Four Orthodontic Adhesives. <i>Materials</i> , 2021, 14, 3578.	1.3	3
58	Solubility, ductility and resilience of a PMMA denture resin with graphene and silver nanoparticles addition. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019, 64, 471-481.	0.1	3
59	In vitro Evaluation of Accuracy of Single Dies Captured by Two Intraoral Digital Scanners. <i>Materiale Plastice</i> , 2018, 55, 176-178.	0.4	3
60	Multivariate Assessment of Marginal Fit of Three Types of Dental Crowns Using Three Scanning Systems for CAD-CAM Technology - in vitro Pilot Study. <i>Materiale Plastice</i> , 2018, 55, 376-379.	0.4	3
61	Assessing the biocompatibility of a dental composite product. <i>Romanian Journal of Morphology and Embryology</i> , 2013, 54, 321-6.	0.4	3
62	Properties Evolution of Some Hydraulic Mortars Incorporating Graphene Oxides. <i>Buildings</i> , 2022, 12, 864.	1.4	3
63	Hydrolytic Degradation of Dental Composites. <i>Key Engineering Materials</i> , 2014, 614, 113-117.	0.4	2
64	Testing antiplatelet and antioxidant activity of the extract of seven varieties of <i>Allium cepa</i> L.. <i>Open Life Sciences</i> , 2015, 10, .	0.6	2
65	Effect of PEG Content on the Mechanical Properties of Bis-GMA/TEGDMA/UDMA Dental Resin Composites. <i>Key Engineering Materials</i> , 2017, 752, 3-10.	0.4	2
66	Impact of laser parameters on additively manufactured cobalt-chromium restorations. <i>Journal of Prosthetic Dentistry</i> , 2022, 128, 421-429.	1.1	2
67	Adhesion between Biocomposites and Different Metallic Structures Additive Manufactured. <i>Coatings</i> , 2021, 11, 483.	1.2	2
68	Comparative apical sealing evaluation of two bioceramic endodontic sealers. <i>Medicine and Pharmacy Reports</i> , 2019, 92, S55-S60.	0.2	2
69	In vitro Testing of Experimental and Commercial Bracket Bonding Materials. <i>Materiale Plastice</i> , 2017, 54, 620-625.	0.4	2
70	Hydrodesulphurization of Thiophenes over CoMoRe/ ZSM 5gamma-Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 1386-1390.	0.2	2
71	Characteristics of Dental Resin-Based Composites in Leukemia Saliva: An In Vitro Analysis. <i>Biomedicines</i> , 2021, 9, 1618.	1.4	2
72	Photodynamic Therapy (PDT) in Prosthodontics: Disinfection of Human Teeth Exposed to <i>Streptococcus mutans</i> and the Effect on the Adhesion of Full Ceramic Veneers, Crowns, and Inlays: An In Vitro Study. <i>Biomedicines</i> , 2022, 10, 144.	1.4	2

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73	Study of some Dental Biomaterials Properties Using an Original Software Application. Key Engineering Materials, 0, 587, 121-127.	0.4	1
74	Characterization polyethylene terephthalate nanocomposites mixing with nano-silica and titanium oxide. MATEC Web of Conferences, 2017, 137, 08005.	0.1	1
75	New Antimicrobial Biomaterials for the Reconstruction of Craniofacial Bone Defects. Coatings, 2020, 10, 678.	1.2	1
76	Evaluation of Surface Characteristics and Cytotoxicity of Dental Composites. Coatings, 2020, 10, 749.	1.2	1
77	On the Apparent Redox Reactivity of "Oxygen-Enriched Water". Biological Trace Element Research, 2020, 198, 350-358.	1.9	1
78	The Side Effects of Therapeutic Radioiodine-131 on the Structure of Enamel and Dentin in Permanent Human Teeth. Biology, 2021, 10, 284.	1.3	1
79	Comparative In Vitro Studies on the Effect of Bleaching Agents on Dental Structures in Healthy and Predialysis Patients. Applied Sciences (Switzerland), 2021, 11, 7807.	1.3	1
80	Research on the Mechanical Properties, Fluoride and Monomer Release of a New Experimental Flowable Giomer in Comparison to Three Commercial Flowable Giomers. Applied Sciences (Switzerland), 2021, 11, 8921.	1.3	1
81	Evaluation of Novel Ornamental Cladding Resistance, Comprised of GFRP Waste and Polyester Binder, within an Acid Environment. Polymers, 2021, 13, 448.	2.0	1
82	The influence of minerals and lactose content on the stability of whey protein powders. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 397-410.	0.1	1
83	Surface characterization and cytotoxicity analysis of the titanium alloys for dentistry. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 149-162.	0.1	1
84	Comparison of Shear Bond Strength and Adhesive Remnant Index of Brackets Bonded with Two Types of Orthodontic Adhesives. Materiale Plastice, 2017, 54, 141-144.	0.4	1
85	Enamel Appearance after Orthodontic Attachment Removal. In vitro SEM analysis. Revista De Chimie (discontinued), 2017, 68, 125-127.	0.2	1
86	New and Recovered Temporary Anchorage Devices, In Vitro Assessment of Structural and Surface Properties. Materials, 2021, 14, 6271.	1.3	1
87	Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process. Revista De Chimie (discontinued), 2018, 69, 886-889.	0.2	1
88	"Determination of nitrate and nitrite content in Zonar milk serum and derived dairy drinks using ion-pair reversed-phase high performance liquid chromatography". Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 197-206.	0.1	1
89	Multivariate Assessment of Marginal Fit Concerning Two Types of Dental Inlays Obtained Through Two CAD-CAM Technology Scanning Methods - an in vitro Follow-up Study. Revista De Chimie (discontinued), 2019, 70, 3136-3141.	0.2	1
90	Hybrid Dental Composites Biomechanical Properties. Materiale Plastice, 2020, 57, 70-80.	0.4	1

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91	Testing endodontic sealers on human umbilical vein endothelial cells. Open Medicine (Poland), 2013, 8, 523-529.	0.6	0
92	Effect on Adhesion to Tooth Structure for some Experimental Dental Adhesive System. Key Engineering Materials, 2014, 614, 100-104.	0.4	0
93	Translucence Study through New Experimental Hybrid Composites. Key Engineering Materials, 2014, 614, 148-154.	0.4	0
94	Antiplatelet Effect of Allium cepa L. Extracts: A Short Review. Key Engineering Materials, 0, 695, 303-308.	0.4	0
95	SEM Analysis of the Interface of Five Adhesive Systems. Key Engineering Materials, 2017, 752, 18-23.	0.4	0
96	Dental Sealant Composition-Retention Assessment in Young Permanent Molars. Materials, 2021, 14, 1646.	1.3	0
97	Scattering, absorption and transmittance of experimental graphene dental nanocomposites. , 2017, , .		0
98	Optical properties and microstructural changes of hard dental tissues in gastro-esophageal reflux disease patients. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 215-223.	0.1	0
99	New functionalized glass fibers employing calixarenic systems. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 381-389.	0.1	0
100	In Vitro Testing of a Polylactic Polymer Synthesized from Whey. Studia Universitatis Babes-Bolyai Chemia, 2018, 63, 93-104.	0.1	0
101	Radiopacity analysis of some chairside computer-aided design-computer-aided manufacturing milling materials. Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 161-172.	0.1	0
102	Remineralization products effect on human enamel in vitro study. Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 107-119.	0.1	0
103	Antimicrobial activity and chemical composition of two experimental gels based on essential oils. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 57-67.	0.1	0
104	Preliminary Study on Scanning Electron Microscopy as an Additional Mean to Assess the Effectiveness of Sterilization of Endoscopes Used in Digestive Tract Examination. Revista De Chimie (discontinued), 2020, 71, 280-287.	0.2	0
105	Structural Changes in Resin-Based Composites in Saliva of Patients with Leukemia before Starting Chemotherapeutic Regimen. Polymers, 2022, 14, 569.	2.0	0