

# Andrei Jitianu

## List of Publications by Year in descending order

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67  
papers

1,659  
citations

304743

22  
h-index

302126

39  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine Antioxidant Hydrogels for Wound Healing Applications. <i>Gels</i> , 2020, 6, 39.	4.5	28
2	Effect of tetraethoxysilane (TEOS) on melting gel behavior. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4140-4149.	3.8	2
3	Applications of melting gels. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 66-77.	2.4	9
4	Gold nanoparticles in melting gels. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 189-197.	2.4	6
5	The 2017 Life Achievement Awards of the International Sol-Gel Society. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 62-65.	2.4	0
6	Consolidated Melting Gel Coatings on AZ31 Magnesium Alloy with Excellent Corrosion Resistance in NaCl Solutions: An Interface Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3493-3505.	8.0	26
7	Deriving Efficient Porous Heteroatom-Doped Carbon Electrocatalysts for Hydrazine Oxidation from Transition Metal Ions-Coordinated Casein. <i>Advanced Functional Materials</i> , 2019, 29, 1808486.	14.9	31
8	Focused laser spike (FLaSk) thermocapillary patterning of micro/nanostructures. , 2019, , .		0
9	Dextran hydrogels by crosslinking with amino acid diamines and their viscoelastic properties. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 370-378.	7.5	12
10	Obtaining Thickness-Limited Electro Spray Deposition for 3D Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11175-11188.	8.0	31
11	Self-degradable curcumin polymer with anti-cancer activity. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46867.	2.6	6
12	<sup>29</sup> Si NMR and SAXS investigation of the hybrid organic-inorganic glasses obtained by consolidation of the melting gels. <i>Dalton Transactions</i> , 2017, 46, 3729-3741.	3.3	17
13	Thickness-properties synergy in organic-inorganic consolidated melting-gel coatings for protection of 304 stainless steel in NaCl solutions. <i>Surface and Coatings Technology</i> , 2017, 315, 426-435.	4.8	18
14	Phase separation in melting gels. <i>Journal of Commonwealth Law and Legal Education</i> , 2017, 58, 142-149.	0.5	3
15	The 2015 Donald R Ulrich awards. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 244-246.	2.4	0
16	Corrosion Protection of AISI 304 Stainless Steel with Melting Gel Coatings. <i>Electrochimica Acta</i> , 2016, 202, 325-332.	5.2	42
17	Hybrid Sol-Gel Glasses with Glass-Transition Temperatures Below Room-Temperature. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3673-3679.	3.8	29
18	Thermal behavior of Li-Co-citric acid water-based gels as precursors for LiCoO <sub>2</sub> powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 145-153.	3.6	10

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19	Study of formation of LiCoO <sub>2</sub> using a modified Pechini aqueous sol-gel process. Journal of Sol-Gel Science and Technology, 2015, 74, 406-418.	2.4	7
20	Nanosized Ni-Al layered double hydroxides Structural characterization. Materials Research Bulletin, 2013, 48, 1864-1873.	5.2	42
21	Melting Gel Films for Low Temperature Seals. Materials Research Society Symposia Proceedings, 2013, 1547, 81-86.	0.1	1
22	Study of the Gelling Process in the La-Co Citric Acid System. Journal of the American Ceramic Society, 2012, 95, 1068-1076.	3.8	5
23	Dielectric behavior of organically modified siloxane melting gels. Journal of Non-Crystalline Solids, 2012, 358, 3501-3504.	3.1	11
24	Thermal analysis of organically modified siloxane melting gels. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1039-1045.	3.6	34
25	Sol-Gel Packaging for Electrochemical Devices. , 2012, , 375-392.		2
26	Methyl modified siloxane melting gels for hydrophobic films. Journal of Sol-Gel Science and Technology, 2010, 53, 272-279.	2.4	34
27	Organic-inorganic hybrid melting gels. Journal of Sol-Gel Science and Technology, 2010, 55, 86-93.	2.4	22
28	Core/shell nanoparticles as hybrid platforms for the fabrication of a hydrogen peroxide biosensor. Journal of Materials Chemistry, 2010, 20, 5030.	6.7	56
29	Phenyl-Substituted Siloxane Hybrid Gels that Soften Below 140°C. Journal of the American Ceramic Society, 2009, 92, 36-40.	3.8	33
30	A Simple Preparative Route to Highly Stable Dispersions of Uniform Silver Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 1891-1896.	0.9	5
31	Sol-Gel Hybrids for Electronic Applications: Hermetic Coatings for Microelectronics and Energy Storage. , 2009, , 429-453.		4
32	Organic-inorganic sol-gel thick films for humidity barriers. Journal of Materials Research, 2008, 23, 2084-2090.	2.6	20
33	Amplified light scattering and emission of silver and silver core-silica shell particles. Journal of Colloid and Interface Science, 2007, 309, 8-20.	9.4	19
34	Iron oxide in a silica matrix prepared by the sol-gel method. Thin Solid Films, 2007, 515, 6319-6323.	1.8	39
35	Photothermal and photocatalytic processes on TiO <sub>2</sub> based materials prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2006, 37, 175-178.	2.4	9
36	Fe <sub>3</sub> O <sub>4</sub> -SiO <sub>2</sub> nanocomposites obtained via alkoxide and colloidal route. Journal of Sol-Gel Science and Technology, 2006, 40, 317-323.	2.4	40

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37	C60Based Hybrid Nanocomposites Obtained in the Presence of Ultrasounds. Journal of Sol-Gel Science and Technology, 2004, 31, 51-58.	2.4	0
38	Structural and magnetic properties of iron species/SiO <sub>2</sub> nanocomposites obtained by sol-gel methods. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3507-3510.	0.8	9
39	Synthesis and characterization of carbon nanotubesâ€“TiO <sub>2</sub> nanocomposites. Carbon, 2004, 42, 1147-1151.	10.3	324
40	New carbon multiwall nanotubes â€“ TiO <sub>2</sub> nanocomposites obtained by the solâ€“gel method. Journal of Non-Crystalline Solids, 2004, 345-346, 596-600.	3.1	41
41	Structural Evolution During Reaction to Form Aluminum Titanate from Sol-Gel Precursors. Materials and Manufacturing Processes, 2004, 19, 641-650.	4.7	13
42	Structural Evolution During Reaction to Form Aluminum Titanate from Sol-Gel Precursors. Materials and Manufacturing Processes, 2004, 19, 641-650.	4.7	1
43	Spectroellipsometric Characterization of Multilayer Sol-Gel Fe <sub>2</sub> O <sub>3</sub> Films. Journal of Sol-Gel Science and Technology, 2003, 26, 745-748.	2.4	24
44	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 483-488.	2.4	37
45	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 217-221.	2.4	18
46	Composition and thermal stability of SiO <sub>2</sub> -based hybrid materials TEOS-MTEOS system. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2003, 71, 421-428.	1.4	27
47	Experiments for inorganicâ€“organic hybrid solâ€“gel films for micro- and nano-photonics. Materials Science and Engineering C, 2003, 23, 301-306.	7.3	23
48	Comparative study of the solâ€“gel processes starting with different substituted Si-alkoxides. Journal of Non-Crystalline Solids, 2003, 319, 263-279.	3.1	70
49	Solâ€“Gel Monoâ€“and Polyâ€“component Nanosized Powders in the Al <sub>2</sub> O <sub>3</sub> â€“TiO <sub>2</sub> â€“SiO <sub>2</sub> â€“MgO System. Journal of Dispersion Science and Technology, 2003, 24, 129-144.	2.4	19
50	SnO <sub>2</sub> nanoparticles in the pores of non-structured SiO <sub>2</sub> and Si-MCM-41: Comparison of their properties in gas sensing. Studies in Surface Science and Catalysis, 2002, 141, 653-660.	1.5	8
51	Al-MCM-41 synthesis using Al-isopropoxide as Al source. Studies in Surface Science and Catalysis, 2002, , 151-158.	1.5	2
52	Influence of the silica based matrix on the formation of iron oxide nanoparticles in the Fe <sub>2</sub> O <sub>3</sub> â€“SiO <sub>2</sub> system, obtained by solâ€“gel method. Journal of Materials Chemistry, 2002, 12, 1401-1407.	6.7	144
53	NANOCOMPOSITE MATERIALS FOR As(V) REMOVAL BY MAGNETICALLY INTENSIFIED ADSORPTION. Separation Science and Technology, 2002, 37, 3693-3701.	2.5	10
54	Ageing Effect on the SiO <sub>2</sub> -based Inorganic-Organic Hybrid Materials. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 64, 689-696.	1.4	21

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55	IR structural evidence of hydrotalcites derived oxidic forms. <i>Vibrational Spectroscopy</i> , 2000, 22, 75-86.	2.2	51
56	Composite SiO <sub>2</sub> -Iron Oxide Materials for Magnetically Intensified Adsorption. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 246, 557-563.	1.5	15
57	Comparative Study of Sol-Gel and Coprecipitated Ni-Al Hydrotalcites. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 453-457.	2.4	27
58	SiO <sub>2</sub> -Iron Oxide Composites Obtained by Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 631-635.	2.4	14
59	Sol-Gel Poly-Component Nano-Sized Oxide Powders. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 409-412.	2.4	12
60	Thermal Stability of SiO <sub>2</sub> -Based Inorganic-Organic Hybrid Materials. <i>Magyar Árvad Kémlemeznyek</i> , 1999, 56, 191-198.	1.4	18
61	Al <sub>2</sub> TiO <sub>5</sub> preparation starting with reactive powders obtained by sol-gel method. <i>Journal of the European Ceramic Society</i> , 1998, 18, 1257-1264.	5.7	37
62	Carbonic Anhydrase Inhibitors. Part 551 Metal Complexes of 1,3,4-Thiadiazole-2-Sulfonamide Derivatives: In Vitro Inhibition Studies With Carbonic Anhydrase Isozymes I, II and IV. <i>Metal-Based Drugs</i> , 1998, 5, 103-114.	3.8	11
63	Carbonic Anhydrase Inhibitors. Part 541: Metal Complexes of Heterocyclic Sulfonamides: A New Class of Antiglaucoma Agents. <i>Metal-Based Drugs</i> , 1997, 4, 307-315.	3.8	4
64	Structural and textural characterization of iron oxide nanoparticles in the Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> system, obtained by sol-gel method. , 0, , .		0
65	Silica-Containing Hybrid Nanocomposite "Melting Gels". <i>Materials Science Forum</i> , 0, 783-786, 1432-1437.	0.3	5
66	Investigation of Pyroaurite-Type Anionic Clay-Derived Mixed Oxides with Various Compositions. , 0, , 17-29.		0
67	Electrochemical Properties of Melting Gel Coatings. , 0, , 233-241.		1