Anatolii A Abalymov

List of Publications by Year
in descending order

32	901	430754 18	454834 30
papers	citations	h-index	g-index

32	32	32	1241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchy of Hybrid Materialsâ€"The Place of Inorganics-in-Organics in it, Their Composition and Applications. Frontiers in Chemistry, 2019, 7, 179.	1.8	172
2	Visible and NIR Upconverting Er³⁺â€"Yb³⁺ Luminescent Nanorattles and Other Hybrid PMOâ€Inorganic Structures for In Vivo Nanothermometry. Advanced Functional Materials, 2020, 30, 2003101.	7.8	83
3	Polymer- and Hybrid-Based Biomaterials for Interstitial, Connective, Vascular, Nerve, Visceral and Musculoskeletal Tissue Engineering. Polymers, 2020, 12, 620.	2.0	62
4	Silver Alginate Hydrogel Micro- and Nanocontainers for Theranostics: Synthesis, Encapsulation, Remote Release, and Detection. ACS Applied Materials & Interfaces, 2017, 9, 21949-21958.	4.0	60
5	Vaterite coatings on electrospun polymeric fibers for biomedical applications. Journal of Biomedical Materials Research - Part A, 2017, 105, 94-103.	2.1	46
6	Lanthanide-Grafted Bipyridine Periodic Mesoporous Organosilicas (BPy-PMOs) for Physiological Range and Wide Temperature Range Luminescence Thermometry. ACS Applied Materials & Interfaces, 2020, 12, 13540-13550.	4.0	44
7	Nanostructured Biointerfaces Based on Bioceramic Calcium Carbonate/Hydrogel Coatings on Titanium with an Active Enzyme for Stimulating Osteoblasts Growth. Advanced Materials Interfaces, 2018, 5, 1800452.	1.9	41
8	Alkaline Phosphatase Delivery System Based on Calcium Carbonate Carriers for Acceleration of Ossification. ACS Applied Bio Materials, 2020, 3, 2986-2996.	2.3	36
9	Transfer of cells with uptaken nanocomposite, magnetite-nanoparticle functionalized capsules with electromagnetic tweezers. Biomaterials Science, 2018, 6, 2219-2229.	2.6	34
10	Cells-Grab-on Particles: A Novel Approach to Control Cell Focal Adhesion on Hybrid Thermally Annealed Hydrogels. ACS Biomaterials Science and Engineering, 2020, 6, 3933-3944.	2.6	31
11	Magnetic and silver nanoparticle functionalized calcium carbonate particlesâ€"Dual functionality of versatile, movable delivery carriers which can surface-enhance Raman signals. Journal of Applied Physics, 2019, 126, .	1.1	27
12	Transdermal platform for the delivery of the antifungal drug naftifine hydrochloride based on porous vaterite particles. Materials Science and Engineering C, 2021, 119, 111428.	3.8	26
13	Liveâ€Cell Imaging by Confocal Raman and Fluorescence Microscopy Recognizes the Crystal Structure of Calcium Carbonate Particles in HeLa Cells. Biotechnology Journal, 2018, 13, e1800071.	1.8	25
14	Fabrication and Impact of Fouling-Reducing Temperature-Responsive POEGMA Coatings with Embedded CaCO3 Nanoparticles on Different Cell Lines. Materials, 2021, 14, 1417.	1.3	24
15	Piezoelectric hybrid scaffolds mineralized with calcium carbonate for tissue engineering: Analysis of local enzyme and small-molecule drug delivery, cell response and antibacterial performance. Materials Science and Engineering C, 2021, 122, 111909.	3.8	22
16	Osteogenic Capability of Vateriteâ€Coated Nonwoven Polycaprolactone Scaffolds for In Vivo Bone Tissue Regeneration. Macromolecular Bioscience, 2021, 21, e2100266.	2.1	21
17	Calcium carbonate particles: synthesis, temperature and time influence on the size, shape, phase, and their impact on cell hydroxyapatite formation. Journal of Materials Chemistry B, 2021, 9, 8308-8320.	2.9	20
18	Titanium surface functionalization with coatings of chitosan and polyphenol-rich plant extracts. Materials Letters, 2017, 196, 213-216.	1.3	19

#	Article	IF	Citations
19	Identification and Analysis of Key Parameters for the Ossification on Particle Functionalized Composites Hydrogel Materials. ACS Applied Materials & Interfaces, 2020, 12, 38862-38872.	4.0	17
20	Colloids-at-surfaces: Physicochemical approaches for facilitating cell adhesion on hybrid hydrogels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125185.	2.3	14
21	Highly-magnetic mineral proteinâ€“tannin vehicles with anti-breast cancer activity. Materials Chemistry Frontiers, 2021, 5, 2007-2018.	3.2	13
22	A lanthanide-functionalized covalent triazine framework as a physiological molecular thermometer. Journal of Materials Chemistry C, 2021, 9, 6436-6444.	2.7	12
23	Nanofibrillar Hydrogels by Temperature Driven Selfâ€Assembly: New Structures for Cell Growth and Their Biological and Medical Implications. Advanced Materials Interfaces, 2021, 8, 2002202.	1.9	12
24	Luminescent PMMA Films and PMMA@SiO₂ Nanoparticles with Embedded Ln³⁺ Complexes for Highly Sensitive Optical Thermometers in the Physiological Temperature Range**. Chemistry - A European Journal, 2021, 27, 6479-6488.	1.7	11
25	Key Points in Remote-Controlled Drug Delivery: From the Carrier Design to Clinical Trials. International Journal of Molecular Sciences, 2021, 22, 9149.	1.8	5
26	Sentinel lymph node detection by combining nonradioactive techniques with contrast agents: State of the art and prospects. Journal of Biophotonics, 2022, 15, e202100149.	1.1	5
27	CaCO₃-based carriers with prolonged release properties for antifungal drug delivery to hair follicles. Biomaterials Science, 2022, 10, 3323-3345.	2.6	5
28	The influence of Ca/Mg ratio on autogelation of hydrogel biomaterials with bioceramic compounds. Materials Science and Engineering C, 2022, 133, 112632.	3.8	4
29	Degradation of Hybrid Drug Delivery Carriers with a Mineral Core and a Proteinâ€“Tannin Shell under Proteolytic Hydrolases. Biomimetics, 2022, 7, 61.	1.5	4
30	Carbon Nanotubes Transform Soft Gellan Gum Hydrogels into Hybrid Organicâ€“Inorganic Coatings with Excellent Cell Growth Capability. Journal of Carbon Research, 2021, 7, 18.	1.4	3
31	Meshesâ€toâ€Fibrils Transition of Gellan Gum Hydrogel Architecture by Thermal Annealing. Macromolecular Materials and Engineering, 2020, 305, 2000308.	1.7	3
32	Nanofibrillar Hydrogels by Temperature Driven Selfâ€Assembly: New Structures for Cell Growth and Their Biological and Medical Implications (Adv. Mater. Interfaces 15/2021). Advanced Materials Interfaces, 2021, 8, 2170085.	1.9	0