

Giuseppe Cavallaro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119 papers	4,826 citations	41 h-index	66 g-index
125 ext. papers	5,736 ext. citations	5 avg, IF	6.38 L-index

#	Paper	IF	Citations
119	Prodrug based on halloysite delivery systems to improve the antitumor ability of methotrexate in leukemia cell lines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 213, 112385	6	3
118	Temperature-responsive hybrid nanomaterials based on modified halloysite nanotubes uploaded with silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128525	5.1	10
117	Separation of halloysite/kaolinite mixtures in water controlled by sucrose addition: The influence of the attractive forces on the sedimentation behavior. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128530	5.1	1
116	Halloysite nanotubes as nanoreactors for heterogeneous micellar catalysis. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 424-434	9.3	12
115	Inclusion complexes of triblock L35 copolymer and hydroxyl propyl cyclodextrins: a physico-chemical study. <i>New Journal of Chemistry</i> , 2022 , 46, 6114-6120	3.6	1
114	Innovative and Integrated Strategies: Case Studies 2022 , 97-116		
113	The Use of Silicones as Extractants of Biologically Active Substances from Vegetable Raw Materials. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10625	2.6	0
112	Conversion of Organic Dyes into Pigments: Extraction of Flavonoids from Blackberries () and Stabilization. <i>Molecules</i> , 2021 , 26,	4.8	5
111	Ciprofloxacin carrier systems based on hectorite/halloysite hybrid hydrogels for potential wound healing applications. <i>Applied Clay Science</i> , 2021 , 215, 106310	5.2	6
110	Pickering Emulsions Based on Wax and Halloysite Nanotubes: An Ecofriendly Protocol for the Treatment of Archeological Woods. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1651-1661	9.5	37
109	Restoration of a XVII Century predella reliquary: From Physico-Chemical Characterization to the Conservation Process. <i>Forests</i> , 2021 , 12, 345	2.8	2
108	Boosting the properties of a fluorescent dye by encapsulation into halloysite nanotubes. <i>Dyes and Pigments</i> , 2021 , 187, 109094	4.6	11
107	Understanding the Effects of Crosslinking and Reinforcement Agents on the Performance and Durability of Biopolymer Films for Cultural Heritage Protection. <i>Molecules</i> , 2021 , 26,	4.8	4
106	Grafting of (3-Chloropropyl)-Trimethoxy Silane on Halloysite Nanotubes Surface. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5534	2.6	1
105	Non-isothermal thermogravimetry as an accelerated tool for the shelf-life prediction of paracetamol formulations. <i>Thermochimica Acta</i> , 2021 , 700, 178940	2.9	4
104	Hand-made paper obtained by green procedure of cladode waste of (L.) Mill. from Sicily. <i>Natural Product Research</i> , 2021 , 35, 359-368	2.3	6
103	Chitosan-based smart hybrid materials: a physico-chemical perspective. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 594-611	7.3	40

102	Effect of Polarity of Solvent on Silanization of Halloysite Nanoclay Using (3-Glycidyloxy propyl) Trimethoxy Silane. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 2569-2578	3.2	1
101	Synthesis and Characterization of Nanomaterial Based on Halloysite and Hectorite Clay Minerals Covalently Bridged. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
100	Effect of Polymer Length on the Adsorption onto Aluminogermanate Imogolite Nanotubes. <i>Langmuir</i> , 2021 , 37, 9858-9864	4	1
99	Halloysite nanotubes filled with MgO for paper reinforcement and deacidification. <i>Applied Clay Science</i> , 2021 , 213, 106231	5.2	21
98	Hydroxypropyl Cellulose Films Filled with Halloysite Nanotubes/Wax Hybrid Microspheres. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1656-1665	3.9	31
97	Halloysite/Keratin Nanocomposite for Human Hair Photoprotection Coating. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24348-24362	9.5	55
96	Solid state ¹³ C-NMR methodology for the cellulose composition studies of the shells of <i>Prunus dulcis</i> and their derived cellulosic materials. <i>Carbohydrate Polymers</i> , 2020 , 240, 116290	10.3	12
95	Polysaccharides/Halloysite nanotubes for smart bionanocomposite materials. <i>Carbohydrate Polymers</i> , 2020 , 245, 116502	10.3	102
94	Selective Cytotoxic Activity of Prodigiosin@halloysite Nanoformulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 424	5.8	25
93	Effect of the supramolecular interactions on the nanostructure of halloysite/biopolymer hybrids: a comprehensive study by SANS, fluorescence correlation spectroscopy and electric birefringence. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 8193-8202	3.6	7
92	Colloidal stability and self-assembling behavior of nanoclays 2020 , 95-116		2
91	Covalently modified nanoclays: synthesis, properties and applications 2020 , 305-333		3
90	Halloysite Nanotubes: Interfacial Properties and Applications in Cultural Heritage. <i>Langmuir</i> , 2020 , 36, 3677-3689	4	43
89	Preparation of palladated porous nitrogen-doped carbon using halloysite as porogen: disclosing its utility as a hydrogenation catalyst. <i>Scientific Reports</i> , 2020 , 10, 2039	4.9	17
88	Synthesis, characterization and study of covalently modified triazole LAPONITE® edges. <i>Applied Clay Science</i> , 2020 , 187, 105489	5.2	7
87	Halloysite nanotubes/pluronic nanocomposites for waterlogged archeological wood: thermal stability and X-ray microtomography. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 981-989	4.1	4
86	Insights into grafting of (3-Mercaptopropyl) trimethoxy silane on halloysite nanotubes surface. <i>Journal of Organometallic Chemistry</i> , 2020 , 915, 121224	2.3	6
85	Effects of halloysite content on the thermo-mechanical performances of composite bioplastics. <i>Applied Clay Science</i> , 2020 , 185, 105416	5.2	69

84	Facile Fabrication of Natural Polyelectrolyte-Nanoclay Composites: Halloysite Nanotubes, Nucleotides and DNA Study. <i>Molecules</i> , 2020 , 25,	4.8	12
83	Halloysite Nanotubes Coated by Chitosan for the Controlled Release of Khellin. <i>Polymers</i> , 2020 , 12,	4.5	30
82	Bionanocomposite Films Containing Halloysite Nanotubes and Natural Antioxidants with Enhanced Performance and Durability as Promising Materials for Cultural Heritage Protection. <i>Polymers</i> , 2020 , 12,	4.5	10
81	Safely Dissolvable and Healable Active Packaging Films Based on Alginate and Pectin. <i>Polymers</i> , 2019 , 11,	4.5	23
80	Pd supported on magnetic carbon coated halloysite as hydrogenation catalyst: Study of the contribution of carbon layer and magnetization to the catalytic activity. <i>Applied Clay Science</i> , 2019 , 182, 105299	5.2	32
79	Halloysite nanotubes-carbon dots hybrids multifunctional nanocarrier with positive cell target ability as a potential non-viral vector for oral gene therapy. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 236-246	9.3	36
78	Layered composite based on halloysite and natural polymers: a carrier for the pH controlled release of drugs. <i>New Journal of Chemistry</i> , 2019 , 43, 10887-10893	3.6	79
77	Sedimentation of halloysite nanotubes from different deposits in aqueous media at variable ionic strengths. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 576, 22-28	5.1	10
76	Pickering Emulsion Gels Based on Halloysite Nanotubes and Ionic Biopolymers: Properties and Cleaning Action on Marble Surface. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3169-3176	5.6	45
75	Adsorption isotherms and thermal behavior of hybrids based on quercetin and inorganic fillers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1971-1977	4.1	7
74	Why does vacuum drive to the loading of halloysite nanotubes? The key role of water confinement. <i>Journal of Colloid and Interface Science</i> , 2019 , 547, 361-369	9.3	92
73	Core/Shell Gel Beads with Embedded Halloysite Nanotubes for Controlled Drug Release. <i>Coatings</i> , 2019 , 9, 70	2.9	39
72	Olive mill wastewaters decontamination based on organo-nano-clay composites. <i>Ceramics International</i> , 2019 , 45, 2751-2759	5.1	14
71	Colloidal stability of halloysite clay nanotubes. <i>Ceramics International</i> , 2019 , 45, 2858-2865	5.1	39
70	Comparative study of historical woods from XIX century by thermogravimetry coupled with FTIR spectroscopy. <i>Cellulose</i> , 2019 , 26, 8853-8865	5.5	9
69	Effect of halloysite nanotubes filler on polydopamine properties. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 394-402	9.3	15
68	Organic-nanoclay composite materials as removal agents for environmental decontamination.. <i>RSC Advances</i> , 2019 , 9, 40553-40564	3.7	29
67	Nanoclays for Conservation 2019 , 149-170		2

66	Multifunctional Carrier Based on Halloysite/Laponite Hybrid Hydrogel for Kartogenin Delivery. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 419-424	4.3	22
65	Mesoporous inorganic nanoscale particles for drug adsorption and controlled release. <i>Therapeutic Delivery</i> , 2018 , 9, 287-301	3.8	17
64	Chemical modification of halloysite nanotubes for controlled loading and release. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3415-3433	7.3	67
63	Halloysite nanotubes for efficient loading, stabilization and controlled release of insulin. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 156-164	9.3	62
62	Halloysite nanotubes sandwiched between chitosan layers: novel bionanocomposites with multilayer structures. <i>New Journal of Chemistry</i> , 2018 , 42, 8384-8390	3.6	60
61	An assembly of organic-inorganic composites using halloysite clay nanotubes. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 35, 42-50	7.6	239
60	Nanohydrogel Formation within the Halloysite Lumen for Triggered and Sustained Release. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8265-8273	9.5	135
59	Halloysite Nanotubes for Cleaning, Consolidation and Protection. <i>Chemical Record</i> , 2018 , 18, 940-949	6.6	36
58	Tubular Nanocontainers for Drug Delivery 2018 , 85-108		4
57	Crystallinity of block copolymer controlled by cyclodextrin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 191-196	4.1	6
56	A structural comparison of halloysite nanotubes of different origin by Small-Angle Neutron Scattering (SANS) and Electric Birefringence. <i>Applied Clay Science</i> , 2018 , 160, 71-80	5.2	133
55	Halloysite Nanotubes Loaded with Calcium Hydroxide: Alkaline Fillers for the Deacidification of Waterlogged Archeological Woods. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27355-27364	9.5	59
54	Thermal Properties of Multilayer Nanocomposites Based on Halloysite Nanotubes and Biopolymers. <i>Journal of Composites Science</i> , 2018 , 2, 41	3	16
53	Microemulsion Encapsulated into Halloysite Nanotubes and their Applications for Cleaning of a Marble Surface. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1455	2.6	14
52	Filling of Mater-Bi with Nanoclays to Enhance the Biofilm Rigidity. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	11
51	Stability of Halloysite, Imogolite, and Boron Nitride Nanotubes in Solvent Media. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1068	2.6	28
50	Selective adsorption of oppositely charged PNIPAAm on halloysite surfaces: a route to thermo-responsive nanocarriers. <i>Nanotechnology</i> , 2018 , 29, 325702	3.4	41
49	Adsorption Studies of Molecules on the Halloysite Surfaces: A Computational and Experimental Investigation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2951-2958	3.8	12

48	Biopolymer-Targeted Adsorption onto Halloysite Nanotubes in Aqueous Media. <i>Langmuir</i> , 2017 , 33, 3317-3323	9.5	223
47	Effect of Morphology and Size of Halloysite Nanotubes on Functional Pectin Bionanocomposites for Food Packaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17476-17488	9.5	223
46	Coffee grounds as filler for pectin: Green composites with competitive performances dependent on the UV irradiation. <i>Carbohydrate Polymers</i> , 2017 , 170, 198-205	10.3	39
45	Nanocomposites based on esterified colophony and halloysite clay nanotubes as consolidants for waterlogged archaeological woods. <i>Cellulose</i> , 2017 , 24, 3367-3376	5.5	52
44	Clay-based drug-delivery systems: what does the future hold?. <i>Therapeutic Delivery</i> , 2017 , 8, 633-646	3.8	37
43	Halloysite Nanotubes: Controlled Access and Release by Smart Gates. <i>Nanomaterials</i> , 2017 , 7,	5.4	82
42	Preparation and characterization of bio-organoclays using nonionic surfactant. <i>Adsorption</i> , 2016 , 22, 105-116	2.6	28
41	Halloysite nanotubes with fluorinated cavity: an innovative consolidant for paper treatment. <i>Clay Minerals</i> , 2016 , 51, 445-455	1.3	18
40	Ecocompatible Halloysite/Cucurbit[8]uril Hybrid as Efficient Nanosponge for Pollutants Removal. <i>ChemistrySelect</i> , 2016 , 1, 1773-1779	1.8	31
39	Pluronic nanoparticles as anti-oxidant carriers for polymers. <i>Polymer Degradation and Stability</i> , 2016 , 134, 194-201	4.7	16
38	Structure of Hybrid Materials Based on Halloysite Nanotubes Filled with Anionic Surfactants. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13492-13502	3.8	56
37	Effect of the Biopolymer Charge and the Nanoclay Morphology on Nanocomposite Materials. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 7373-7380	3.9	94
36	Design of PNIPAAm covalently grafted on halloysite nanotubes as a support for metal-based catalysts. <i>RSC Advances</i> , 2016 , 6, 55312-55318	3.7	71
35	Direct chemical grafted curcumin on halloysite nanotubes as dual-responsive prodrug for pharmacological applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 505-513	6	120
34	Steric stabilization of modified nanoclays triggered by temperature. <i>Journal of Colloid and Interface Science</i> , 2016 , 461, 346-351	9.3	26
33	CHAPTER 6: Halloysite Based Smart Hybrid Nanomaterials for the Solubilization of Hydrophobic Compounds in Aqueous Media. <i>RSC Smart Materials</i> , 2016 , 187-206	0.6	
32	Halloysite nanotubes loaded with peppermint essential oil as filler for functional biopolymer film. <i>Carbohydrate Polymers</i> , 2016 , 152, 548-557	10.3	139
31	Thermal and dynamic mechanical properties of beeswax-halloysite nanocomposites for consolidating waterlogged archaeological woods. <i>Polymer Degradation and Stability</i> , 2015 , 120, 220-225	4.7	54

30	Palladium supported on Halloysite-triazolium salts as catalyst for ligand free Suzuki cross-coupling in water under microwave irradiation. <i>Journal of Molecular Catalysis A</i> , 2015 , 408, 12-19		50
29	Hydrophobically Modified Halloysite Nanotubes as Reverse Micelles for Water-in-Oil Emulsion. <i>Langmuir</i> , 2015 , 31, 7472-8	4	91
28	Mixed aggregates based on tetronic-fluorinated surfactants for selective oils capture. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 474, 85-91	5.1	4
27	Biocompatible Poly(N-isopropylacrylamide)-halloysite Nanotubes for Thermoresponsive Curcumin Release. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8944-8951	3.8	86
26	Multicavity halloysite-amphiphilic cyclodextrin hybrids for co-delivery of natural drugs into thyroid cancer cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4074-4081	7.3	72
25	Orientation of charged clay nanotubes in evaporating droplet meniscus. <i>Journal of Colloid and Interface Science</i> , 2015 , 440, 68-77	9.3	62
24	Functionalized halloysite multivalent glycocluster as a new drug delivery system. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7732-7738	7.3	70
23	Composite films of natural clay nanotubes with cellulose and chitosan. <i>Green Materials</i> , 2014 , 2, 232-242	3.2	58
22	Halloysite nanotubes as sustainable nanofiller for paper consolidation and protection. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 117, 1293-1298	4.1	37
21	Modified halloysite nanotubes: nanoarchitectures for enhancing the capture of oils from vapor and liquid phases. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 606-12	9.5	132
20	Selective Functionalization of Halloysite Cavity by Click Reaction: Structured Filler for Enhancing Mechanical Properties of Bionanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15095-15101	3.8	54
19	Eco-friendly functionalization of natural halloysite clay nanotube with ionic liquids by microwave irradiation for Suzuki coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2014 , 749, 410-415	2.3	71
18	Halloysite nanotube with fluorinated lumen: non-foaming nanocontainer for storage and controlled release of oxygen in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 66-71	9.3	63
17	Determining the selective impregnation of waterlogged archaeological woods with poly(ethylene) glycols mixtures by differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 1449-1455	4.1	13
16	Properties and Structural Studies of Multi-Wall Carbon Nanotubes-Phosphate Ester Hybrids. <i>International Journal of Organic Chemistry</i> , 2013 , 03, 26-34	0.3	1
15	Alginate gel beads filled with halloysite nanotubes. <i>Applied Clay Science</i> , 2013 , 72, 132-137	5.2	78
14	Sustainable nanocomposites based on halloysite nanotubes and pectin/polyethylene glycol blend. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2529-2536	4.7	88
13	Kinetic and equilibrium study for cadmium and copper removal from aqueous solutions by sorption onto mixed alginate/pectin gel beads. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 1252-1260	6.8	40

12	Polyethylene glycol/clay nanotubes composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 112, 383-389	4.1	45
11	Exploiting the Colloidal Stability and Solubilization Ability of Clay Nanotubes/Ionic Surfactant Hybrid Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21932-21938	3.8	129
10	Aqueous phase/nanoparticles interface: hydroxypropyl cellulose adsorption and desorption triggered by temperature and inorganic salts. <i>Soft Matter</i> , 2012 , 8, 3627	3.6	22
9	Films of Halloysite Nanotubes Sandwiched between Two Layers of Biopolymer: From the Morphology to the Dielectric, Thermal, Transparency, and Wettability Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20491-20498	3.8	145
8	Dispersions of nanoclays of different shapes into aqueous and solid biopolymeric matrices. Extended physicochemical study. <i>Langmuir</i> , 2011 , 27, 1158-67	4	145
7	A comparative thermogravimetric study of waterlogged archaeological and sound woods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 104, 451-457	4.1	25
6	Pickering Emulsions Stabilized by Halloysite Nanotubes: From General Aspects to Technological Applications. <i>Advanced Materials Interfaces</i> , 2102346	4.6	2
5	New Insights into Segmental Packing, Chain Dynamics and Thermomechanical Performance of Aliphatic Polyurea Composites: Comparison between Silica Oxides and Titanium (III) Oxides. <i>Macromolecular Materials and Engineering</i> , 2100582	3.9	0
4	Lifetime predictions of non-ionic and ionic biopolymers: kinetic studies by non-isothermal thermogravimetric analysis. <i>Emergent Materials</i> , 1	3.5	0
3	Halloysite nanotubes filled with salicylic acid and sodium diclofenac: effects of vacuum pumping on loading and release properties. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	17
2	Halloysite nanotubes-based nanocomposites for the hydrophobization of hydraulic mortar ¹		3
1	Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection. <i>ACS Applied Nano Materials</i> ,	5.6	2