

Giovanniantonio Natale

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

537
citations

687363

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32
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docs citations

32
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing, stretchable, and highly adhesive hydrogels for epidermal patch electrodes. <i>Acta Biomaterialia</i> , 2022, 139, 296-306.	8.3	63
2	Superparamagnetic SiO ₂ @Fe ₃ O ₄ core/shell fabrication via low-temperature electroless deposition. <i>Materials Chemistry and Physics</i> , 2022, 277, 125443.	4.0	3
3	Dynamics of Brownian Janus rods at a liquid-liquid interface. <i>Physics of Fluids</i> , 2022, 34, .	4.0	7
4	Transformation of petroleum asphaltenes to carbon fibers. <i>Carbon</i> , 2022, 190, 92-103.	10.3	28
5	Anisotropy and Nanomechanics of Cellulose Nanocrystals/Polyethylene Glycol Composite Films. <i>Biomacromolecules</i> , 2022, 23, 1592-1600.	5.4	10
6	A greener route for smart PNIPAm microgel synthesis using a bio-based synthesis-solvent. <i>European Polymer Journal</i> , 2022, 174, 111311.	5.4	6
7	Interfacial microrheology: characteristics of homogeneous and heterogeneous interfaces. <i>Rheologica Acta</i> , 2022, 61, 733-744.	2.4	3
8	Large amplitude oscillatory shear flow: Microstructural assessment of polymeric systems. <i>Progress in Polymer Science</i> , 2022, 132, 101580.	24.7	27
9	CFD based analysis of 3D printed nasopharyngeal swabs for COVID-19 diagnostics. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 223, 106977.	4.7	3
10	A review on novel applications of asphaltenes: A valuable waste. <i>Fuel</i> , 2021, 285, 119272.	6.4	45
11	Sedimentation behavior of a spherical particle in a Giesekus fluid: A CFD-DEM solution. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 291, 104465.	2.4	2
12	Effects of synthesis-solvent polarity on the physicochemical and rheological properties of poly(N-isopropylacrylamide) (PNIPAm) hydrogels. <i>Journal of Materials Research and Technology</i> , 2021, 13, 769-786.	5.8	14
13	Tunable metacrylated hyaluronic acid-based hybrid bioinks for stereolithography 3D bioprinting. <i>Biofabrication</i> , 2021, 13, 044109.	7.1	26
14	Deterministic particle assembly on nanophotonic chips. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 259-269.	9.4	0
15	Spontaneous chiralization of polar active particles. <i>Physical Review E</i> , 2021, 104, 044607.	2.1	2
16	Scalable Chemical Synthesis Route to Manufacture pH-Responsive Janus CaCO ₃ Micromotors. <i>Langmuir</i> , 2020, 36, 12590-12600.	3.5	9
17	Thermocapillary motion of a solid cylinder near a liquid-gas interface. <i>Physics of Fluids</i> , 2020, 32, 127109.	4.0	3
18	Settling dynamics of two spheres in a suspension of Brownian rods. <i>Physics of Fluids</i> , 2019, 31, 073104.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Metal-Organic Frameworks: 2D and 3D Metal-Organic Framework at the Oil/Water Interface: A Case Study of Copper Benzenedicarboxylate (Adv. Mater. Interfaces 2/2019). Advanced Materials Interfaces, 2019, 6, 1970015.	3.7	0
20	Oscillatory Shear Response of the Rigid Rod Model: Microstructural Evolution. Macromolecules, 2019, 52, 4907-4915.	4.8	2
21	Diffusiophoresis of active colloids in viscoelastic media. Soft Matter, 2019, 15, 9909-9919.	2.7	29
22	2D and 3D Metal-Organic Framework at the Oil/Water Interface: A Case Study of Copper Benzenedicarboxylate. Advanced Materials Interfaces, 2019, 6, 1801139.	3.7	25
23	Numerical evaluation of a single ellipsoid motion in Newtonian and power-law fluids. AIP Conference Proceedings, 2018, , .	0.4	4
24	Rheo-optical Analysis of Functionalized Graphene Suspensions. Langmuir, 2018, 34, 7844-7851.	3.5	16
25	Orientation dynamics of dilute functionalized graphene suspensions in oscillatory flow. Physical Review Fluids, 2018, 3, .	2.5	10
26	Autophoretic locomotion in weakly viscoelastic fluids at finite Péclet number. Physics of Fluids, 2017, 29, .	4.0	23
27	An active particle in a complex fluid. Journal of Fluid Mechanics, 2017, 823, 675-688.	3.4	47
28	Synergistic gelation of gelatin B with xanthan gum. Food Hydrocolloids, 2016, 60, 374-383.	10.7	59
29	Ionic liquid-water mixtures and ion gels as electrolytes for organic electrochemical transistors. Journal of Materials Chemistry C, 2015, 3, 6549-6553.	5.5	29
30	Rheological modeling of carbon nanotube suspensions with rod-rod interactions. AIChE Journal, 2014, 60, 1476-1487.	3.6	24
31	Modeling particle population balances in fluidized-bed wood gasifiers. Biomass and Bioenergy, 2014, 62, 123-137.	5.7	9