

# Anne-Virginie Salsac

## List of Publications by Citations

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27  
papers

547  
citations

13  
h-index

23  
g-index

33  
ext. papers

711  
ext. citations

3.4  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
27	Coupling of finite element and boundary integral methods for a capsule in a Stokes flow. <i>International Journal for Numerical Methods in Engineering</i> , <b>2010</b> , 83, 829-850	2.4	103
26	Influence of internal viscosity on the large deformation and buckling of a spherical capsule in a simple shear flow. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 672, 477-486	3.7	59
25	Ellipsoidal capsules in simple shear flow: prolate versus oblate initial shapes. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 676, 318-347	3.7	57
24	Flow of a spherical capsule in a pore with circular or square cross-section. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 705, 176-194	3.7	52
23	Off-plane motion of a prolate capsule in shear flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 721, 180-198	3.7	34
22	Comparison between measurements of elasticity and free amino group content of ovalbumin microcapsule membranes: discrimination of the cross-linking degree. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 355, 81-8	9.3	31
21	Polymerization kinetics of n-butyl cyanoacrylate glues used for vascular embolization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 69, 307-317	4.1	30
20	Characterizing the membrane properties of capsules flowing in a square-section microfluidic channel: effects of the membrane constitutive law. <i>Physical Review E</i> , <b>2013</b> , 87, 063008	2.4	27
19	Motion of a spherical capsule in branched tube flow with finite inertia. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 806, 603-626	3.7	27
18	Influence of bending resistance on the dynamics of a spherical capsule in shear flow. <i>Physics of Fluids</i> , <b>2015</b> , 27, 051902	4.4	23
17	Characterization of the mechanical properties of cross-linked serum albumin microcapsules: effect of size and protein concentration. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 1381-1389	2.4	15
16	Stable equilibrium configurations of an oblate capsule in simple shear flow. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 791, 738-757	3.7	14
15	Transient behavior and relaxation of microcapsules with a cross-linked human serum albumin membrane. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 58, 2-10	4.1	13
14	Path selection of a spherical capsule in a microfluidic branched channel: towards the design of an enrichment device. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 849, 136-162	3.7	13
13	Squeezing bio-capsules into a constriction: deformation till break-up. <i>Soft Matter</i> , <b>2017</b> , 13, 7644-7648	3.6	10
12	3T non-injected phase-contrast MRI sequences for the mapping of the external carotid branches: In vivo radio-anatomical pilot study for feasibility analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2018</b> , 46, 98-106	3.6	9
11	Influence of principal component analysis acceleration factor on velocity measurement in 2D and 4D PC-MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2018</b> , 31, 469-481	2.8	8

10	Deformability- and size-based microcapsule sorting. <i>Medical Engineering and Physics</i> , <b>2017</b> , 48, 68-74	2.4	5
9	Minuet motion of a pair of capsules interacting in simple shear flow. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 892,	3.7	5
8	Polymerization kinetics of a mixture of Lipiodol and Glubran 2 cyanoacrylate glue upon contact with a proteinaceous solution. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 74, 84-92	4.1	4
7	Quantitative assessment of the flow distribution in the branches of the external carotid by non-injected flow MRI. <i>Dentomaxillofacial Radiology</i> , <b>2018</b> , 47, 20180153	3.9	3
6	Influence of an Arterial Stenosis on the Hemodynamics Within an Arteriovenous Fistula (AVF): Comparison Before and After Balloon-Angioplasty. <i>Cardiovascular Engineering and Technology</i> , <b>2014</b> , 5, 233-243	2.2	3
5	N-Butyl Cyanoacrylate-Lipiodol Mixture for Endovascular Purpose: Polymerization Kinetics Differences Between In Vitro and In Vivo Experiments. <i>CardioVascular and Interventional Radiology</i> , <b>2020</b> , 43, 1409-1410	2.7	1
4	Diffuse approximation for identification of the mechanical properties of microcapsules. <i>Mathematics and Mechanics of Solids</i> , <b>2021</b> , 26, 1018-1028	2.3	0
3	Sorting of capsules according to their stiffness: from principle to application. <i>Soft Matter</i> , <b>2021</b> , 17, 3722-3732	3.7	0
2	Treatment of a stenosed arteriovenous fistula by balloon angioplasty with or without stenting: comparison of effects on haemodynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2013</b> , 16 Suppl 1, 17-8	2.1	
1	Contribution of flow MRI in the therapeutic management of middle face high flow arteriovenous malformation: A case report. <i>Journal of Stomatology, Oral and Maxillofacial Surgery</i> , <b>2019</b> , 120, 361-365	1.7	