

# Valdir Soldi

## List of Publications by Year in descending order

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94  
papers

2,245  
citations

185998

28  
h-index

253896

43  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of fiber surface treatment and length on physico-chemical properties of short random banana fiber-reinforced castor oil polyurethane composites. <i>Polymer Testing</i> , 2011, 30, 833-840.	2.3	173
2	Arenediazonium Salts: A New Probes of the Interfacial Compositions of Association Colloids. 6. Relationships between Interfacial Counterion and Water Concentrations and Surfactant Headgroup Size, Sphere-to-Rod Transitions, and Chemical Reactivity in Cationic Micelles. <i>Langmuir</i> , 2000, 16, 59-71.	1.6	137
3	Thermal characterization of cellulose nanocrystals isolated from sisal fibers using acid hydrolysis. <i>Industrial Crops and Products</i> , 2016, 94, 454-462.	2.5	98
4	Aplicação sintética de lipases imobilizadas em polímeros. <i>Quimica Nova</i> , 2004, 27, 623-630.	0.3	85
5	Maleic Anhydride Grafting on EPDM: Qualitative and Quantitative Determination. <i>Journal of the Brazilian Chemical Society</i> , 1999, 10, 31-34.	0.6	85
6	Polyurethane nanoparticles from a natural polyol via miniemulsion technique. <i>Polymer</i> , 2006, 47, 8080-8087.	1.8	74
7	Poly( $\epsilon$ -caprolactone triol) as plasticizer agent for cellulose acetate films: influence of the preparation procedure and plasticizer content on the physico-chemical properties. <i>Polymers for Advanced Technologies</i> , 2004, 15, 593-600.	1.6	60
8	Characterization of horseradish peroxidase immobilized on PEGylated polyurethane nanoparticles and its application for dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 264-272.	4.0	59
9	Chitosan-decorated polystyrene-b-poly(acrylic acid) polymersomes as novel carriers for topical delivery of finasteride. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 52, 165-172.	1.9	56
10	Edible carboxymethyl cellulose films containing natural antioxidant and surfactants: $\alpha$ -tocopherol stability, <i>in vitro</i> release and film properties. <i>LWT - Food Science and Technology</i> , 2017, 77, 21-29.	2.5	56
11	Characterization and drug-permeation profiles of microporous and dense cellulose acetate membranes: influence of plasticizer and pore forming agent. <i>International Journal of Pharmaceutics</i> , 2004, 278, 99-110.	2.6	53
12	Dynamic light scattering and atomic force microscopy techniques for size determination of polyurethane nanoparticles. <i>Materials Science and Engineering C</i> , 2009, 29, 638-640.	3.8	52
13	Blends of hydroxypropyl methylcellulose and poly(1-vinylpyrrolidone-co-vinyl acetate): Miscibility and thermal stability. <i>Polymer Degradation and Stability</i> , 2005, 90, 21-27.	2.7	51
14	Study of poly(ethylene oxide)/Carbopol blends through thermal analysis and infrared spectroscopy. <i>Polymer</i> , 2000, 41, 3303-3309.	1.8	48
15	Cassava and corn starch in maltodextrin production. <i>Quimica Nova</i> , 2005, 28, 596-600.	0.3	42
16	Biodegradable films made from raw and acetylated cassava starch. <i>Brazilian Archives of Biology and Technology</i> , 2004, 47, 477-484.	0.5	40
17	Preparation, Characterization and Properties of Films Obtained from Cross-linked Guar Gum. <i>Polimeros</i> , 2013, 23, 182-188.	0.2	39
18	Static and Dynamic Light Scattering of Polyelectrolyte/Surfactant Solutions: the Na-Hyaluronate/(C10TAB) System. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 907-917.	1.1	37

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19	Compositional and physical properties of yogurts manufactured from milk and whey cheese concentrated by ultrafiltration. <i>International Journal of Food Science and Technology</i> , 2006, 41, 560-568.	1.3	36
20	Self-Assembly of Amphiphilic Glycoconjugates into Lectin-Adhesive Nanoparticles. <i>Langmuir</i> , 2012, 28, 1418-1426.	1.6	36
21	Dynamic light scattering and viscosimetry of aqueous solutions of pectin, sodium alginate and their mixtures: effects of added salt, concentration, counterions, temperature and chelating agent. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1705-1714.	0.6	35
22	Expansion Properties of Sour Cassava Starch (<b><i>Polvilho Azedo</i></b>): Variables Related to its Practical Application in Bakery. <i>Starch/Staerke</i> , 2009, 61, 716-726.	1.1	35
23	Glyco-Nanoparticles Made from Self-Assembly of Maltoheptaose- <i>Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	2.6	34
24	Thermal Stability of Biodegradable Films Based on Soy Protein and Corn Starch. <i>Macromolecular Symposia</i> , 2005, 229, 258-265.	0.4	33
25	Characterization and morphology of Novolak or poly(vinyl phenol)/poly(ethylene oxide) blends. <i>Polymer</i> , 1997, 38, 1179-1185.	1.8	31
26	The Role of the Carboxylate Head Group in the Interaction of Sodium Dodecanoate with Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.0	31
27	The role of surfactant in the miniemulsion polymerization of biodegradable polyurethane nanoparticles. <i>Materials Science and Engineering C</i> , 2008, 28, 526-531.	3.8	29
28	New N-acylamino acids and derivatives from renewable fatty acids: gelation of hydrocarbons and thermal properties. <i>Tetrahedron Letters</i> , 2012, 53, 2454-2460.	0.7	28
29	Influence of Poly(Ethylene Glycol) (PEG) on the Properties of Influence of Poly(3-Hydroxybutyrate-CO-3-Hydroxyvalerate) - PHBV. <i>Polimeros</i> , 2013, 23, 320-325.	0.2	28
30	Phase Separation Kinetics and Mechanism in a Methylcellulose/Salt Aqueous Solution Studied by Time-Resolved Small-Angle Light Scattering (SALS). <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1063-1071.	1.1	27
31	Development and characterization of wheat gluten microspheres for use in a controlled release system. <i>Materials Science and Engineering C</i> , 2009, 29, 524-531.	3.8	26
32	Effect of Thermal Treatment on the Stability and Structure of Maize Starch Cast Films. <i>Starch/Staerke</i> , 2007, 59, 161-170.	1.1	25
33	PMMA or PEO in THF/H2O mixture: phase diagram, separation mechanism and application. <i>Journal of Membrane Science</i> , 2001, 184, 187-196.	4.1	23
34	Self-assembled carbohydrate-based micelles for lectin targeting. <i>Soft Matter</i> , 2011, 7, 3453.	1.2	23
35	Peroxidase immobilized on phospholipid bilayers supported on au (111) by DTT self-assembled monolayers: Application to dopamine determination. <i>Biotechnology and Bioengineering</i> , 2013, 110, 374-382.	1.7	23
36	Interfacial compositions of cationic and mixed non-ionic micelles by chemical trapping: a new method for characterizing the properties of amphiphilic aggregates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 176, 53-67.	2.3	22

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37	Solid phase microextraction to concentrate volatile products from thermal degradation of polymers. <i>Polymer Degradation and Stability</i> , 2005, 89, 33-37.	2.7	20
38	Carbon paste electrode modified with pine kernel peroxidase immobilized on pegylated polyurethane nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 570-575.	4.0	20
39	Properties of filmogenic solutions of gliadin crosslinked with 1-(3-dimethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (am Hydrocolloids, 2009, 23, 181-187.	5.6	19
40	Atomic force microscopy imaging of polyurethane nanoparticles onto different solid substrates. <i>Materials Science and Engineering C</i> , 2009, 29, 405-409.	3.8	19
41	Influência da sequência de mistura do PP-MA nas propriedades dos compósitos de PP e fibra de bananeira. <i>Polimeros</i> , 2011, 21, 7-12.	0.2	18
42	Production and characterization of cornstarch/cellulose acetate/silver sulfadiazine extrudate matrices. <i>Materials Science and Engineering C</i> , 2014, 44, 225-233.	3.8	18
43	Characterization of membranes based on cellulose acetate butyrate/poly( $\epsilon$ -caprolactone)triol/doxycycline and their potential for guided bone regeneration application. <i>Materials Science and Engineering C</i> , 2017, 76, 365-373.	3.8	18
44	Use of Natural Monomer in the Synthesis of Nano- and Microparticles of Polyurethane by Suspension-Polyaddition Technique. <i>Macromolecular Symposia</i> , 2005, 229, 234-245.	0.4	17
45	Soy Protein Isolate Based Films: Influence of Sodium Dodecyl Sulfate and Polycaprolactone-triol on Their Properties. <i>Macromolecular Symposia</i> , 2005, 229, 127-137.	0.4	17
46	The influence of different cross-linking reactions and glycerol addition on thermal and mechanical properties of biodegradable gliadin-based film. <i>Materials Science and Engineering C</i> , 2010, 30, 691-698.	3.8	17
47	Influence of process parameters on microstructure and mechanical properties of starch-cellulose acetate/silver sulfadiazine matrices prepared by melt extrusion. <i>Polymer Testing</i> , 2013, 32, 1123-1127.	2.3	17
48	Xyloglucan-based diblock co-oligomer: Synthesis, self-assembly and steric stabilization of proteins. <i>Carbohydrate Polymers</i> , 2013, 98, 1272-1280.	5.1	15
49	Preparation of Polymeric Micelles of Poly(Ethylene Oxide-b-Lactic Acid) and their Encapsulation With Lavender Oil. <i>Materials Research</i> , 2016, 19, 1356-1365.	0.6	15
50	Estudo das propriedades mecânicas de um composto de PVC modificado com fibras de bananeira. <i>Polimeros</i> , 2007, 17, 1-4.	0.2	14
51	Synthesis, micellization and lectin binding of new glycosurfactants. <i>Carbohydrate Research</i> , 2014, 397, 31-36.	1.1	14
52	Potassium ions release from polysaccharide films. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 211-216.	0.6	12
53	Application of solid-phase microextraction and gas chromatography-mass spectrometry for the determination of chlorophenols in leather. <i>Journal of Separation Science</i> , 2012, 35, 602-607.	1.3	12
54	Self-Assembly of Oligosaccharide- <i>b</i> -PMMA Block Copolymer Systems: Glyco-Nanoparticles and Their Degradation under UV Exposure. <i>Langmuir</i> , 2016, 32, 4538-4545.	1.6	12

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55	Mechanical properties and total hydroxycinnamic derivative release of starch/glycerol/Melissa officinalis extract films. Brazilian Journal of Pharmaceutical Sciences, 2010, 46, 491-497.	1.2	11
56	Characterization of Polymeric Particles with Electron Microscopy, Dynamic Light Scattering, and Atomic Force Microscopy. Particulate Science and Technology, 2010, 28, 472-484.	1.1	11
57	Development of dental resinous systems composed of bisphenol a ethoxylated dimethacrylate and three novel methacrylate monomers: Synthesis and characterization. Journal of Applied Polymer Science, 2013, 128, 725-734.	1.3	11
58	Blendas de poliamida 6/elast�mero: propriedades e influ�ncia da adi�o de agente compatibilizante. Polimeros, 2003, 13, 95-101.	0.2	10
59	Physicochemical and morphological characterizations of glyceryl tristearate/castor oil nanocarriers prepared by the solvent diffusion method. Journal of the Brazilian Chemical Society, 2012, 23, 1972-1981.	0.6	10
60	Crystal growth of progesterone metastable and stable polymorphs by polymer induced heteronucleation (PIHn) method. Crystal Research and Technology, 2016, 51, 49-57.	0.6	10
61	A versatile nanoarray electrode produced from block copolymer thin films for specific detection of proteins. Polymer, 2017, 123, 128-136.	1.8	10
62	Behaviour of the miscibility of poly(ethylene oxide)/liquid crystal blends. Polymer International, 1998, 46, 138-142.	1.6	8
63	Poly(ethylene-co-methyl acrylate) membranes as rate-controlling barriers for drug delivery systems: characterization, mechanical properties and permeability. European Journal of Pharmaceutics and Biopharmaceutics, 2005, 60, 383-390.	2.0	8
64	Use of the SPME-GC-MS technique to study the thermal degradation of isotactic polypropylene: Effects of temperature and reaction time, and analysis of the reaction mechanism. E-Polymers, 2008, 8, .	1.3	8
65	Morphology study of progesterone polymorphs prepared by polymer-induced heteronucleation (PIHn). Scanning, 2013, 35, 213-221.	0.7	8
66	Poly(ethylene oxide)-polyelectrolyte blends: viscometric and thermal analysis behaviour. Polymer International, 2000, 49, 81-87.	1.6	6
67	Evaluation of DNA damage and cytotoxicity of polyurethane-based nano- and microparticles as promising biomaterials for drug delivery systems. Journal of Nanoparticle Research, 2010, 12, 1655-1665.	0.8	6
68	Protein-based films cross-linked with 1-ethyl-3-(3-dimethylamino-propyl) carbodiimide hydrochloride (EDC): effects of the cross-linker and film composition on the permeation rate of p-hydroxyacetanilide as a model drug. Journal of the Brazilian Chemical Society, 2010, 21, 340-348.	0.6	6
69	Nanostructured Films Made from Zwitterionic Phosphorylcholine Diblock Copolymer Systems. Macromolecules, 2011, 44, 2240-2244.	2.2	6
70	Adhesion of L929 mouse fibroblast cells on poly(styrene)/poly(methyl methacrylate) films. Journal of the Brazilian Chemical Society, 2009, 20, 1753-1757.	0.6	4
71	Thermo-responsive Copolymers Based on Poly(isopropylacrylamide) and Poly[(methacryloyloxy)ethyl phosphorylcholine]: Light Scattering and Microscopy Experiments. Macromolecular Chemistry and Physics, 2009, 210, 1726-1733.	1.1	4
72	Polypyrrole-modified starch films: structural, thermal, morphological and electrical characterization. E-Polymers, 2010, 10, .	1.3	4

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73	Miscibility of poly(ethylene terephthalate-co-diethylene glycol terephthalate)/poly(ethylene oxide) blends. <i>Polymer</i> , 1998, 39, 6073-6078.	1.8	3
74	Preparaç�o, caracterizaç�o e propriedades de filmes polim�ricos com potencial aplicaç�o no recobrimento de sementes. <i>Quimica Nova</i> , 2009, 32, 1845-1849.	0.3	3
75	Poly(ethylene-co-methyl acrylate)/poly(caprolactone) triol blends for drug delivery systems: characterization and drug release. <i>Quimica Nova</i> , 2012, 35, 297-300.	0.3	3
76	Nifedipine-Loaded Polymeric Nanocapsules: Validation of a Stability-Indicating HPLC Method to Evaluate the Drug Entrapment Efficiency and In Vitro Release Profiles. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 276-281.	0.7	3
77	BIODEGRADABLE NANOPARTICLES OBTAINED FROM ZEIN AS A DRUG DELIVERY SYSTEM FOR TERPINEN-4-OL. <i>Quimica Nova</i> , 2014, , .	0.3	3
78	Crystallization of progesterone polymorphs using polymer-induced heteronucleation (PIHn) method. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 851-858.	0.9	3
79	Novel hybrid block copolymer nanocarrier systems to load lipophilic drugs prepared by microphase inversion method. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	3
80	Efeito da adiç�o de polietilenoglic�is nas formulaç�es de microesferas de acetobutirato de celulose sobre a efici�ncia de encapsulaç�o da carbamazepina e morfologia das part�culas. <i>Revista Brasileira De Ciencia Do Solo</i> , 2002, 38, 229.	0.5	2
81	Morphology of Soy Protein Isolate at Oil/Water and Oil/Air Interfaces. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
82	Transition from star-like to crew-cut micelles induced by UV radiation. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 54-58.	5.0	2
83	Microencapsulaç�o do pesticida cipermetrina em blendas de P(3HB/PCL): caracterizaç�o e ensaio de liberaç�o in vitro. <i>Polimeros</i> , 2016, 26, 269-276.	0.2	2
84	Chitosan Membranes for Pressure Filtration. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 353-356.	0.6	2
85	DEVELOPMENT OF ORAL NIFEDIPINE-LOADED POLYMERIC NANOCAPSULES: PHYSICOCHEMICAL CHARACTERISATION, PHOTOSTABILITY STUDIES, IN VITRO AND IN VIVO EVALUATION. <i>Quimica Nova</i> , 2015, , .	0.3	2
86	Chitosan-Sodium Alginate Polyelectrolyte Complex Coating Pluronic� F127 Nanoparticles Loaded with Citronella Essential Oil. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
87	Thermal degradation of N-(o-carboxybenzoyl)-l-amino acids. <i>Thermochimica Acta</i> , 2004, 413, 47-52.	1.2	1
88	Dynamic rheological properties of native and cross-linked gliadin proteins. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 640-646.	3.6	1
89	Emprego de pol�meros na qualidade tecnol�gica de gr�os de feij�o sob condiç�es de armazenamento. <i>Semina: Ciencias Agrarias</i> , 2010, 31, 975.	0.1	1
90	Influ�ncia do pH nas propriedades f�sico-qu�micas, t�rmicas e mec�nicas de filmes de poli(vinil) Tj ETQq0 0 0 ggBT /Overlock 10 Tt	0.3	1

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91	Recycling Footwear Industry Waste and Evaluation the Deterioration in Soil. Revista Virtual De Quimica, 2017, 9, 2178-2192.	0.1	1
92	Special Issue Nano meets Bio. Materials Science and Engineering C, 2008, 28, 465-466.	3.8	0
93	NANOPARTICLES FROM SOYBEAN PROTEIN ISOLATE BY COACERVATION IN WATER: EFFECT OF IONIC STRENGTH AND CONCENTRATION OF PROTEIN AND SURFACTANT. Quimica Nova, 2014, , .	0.3	0
94	Atividade antibacteriana de fibras têxteis contendo nanopartículas de poli (óxido de etileno-b-ácido) Tj ETQq0 0,0,rgBT /Oyerlock 10	0.1	0