

Year	Auteurs	Publication title	Journal title	Volume	Issue	Volume, Issue, Pages	DOI	Impact Factor (at the year X)
2019	Atawa B., T. Correia N., Couvrat N., Affouard F., Coquerel G., Dargent E., Salter A.	Molecular Mobility of Amorphous N-Acetyl- α -Methyl/benzylamine and Debye Relaxation evidenced by Dielectric Relaxation Spectroscopy and Molecular Dynamics Simulations	Physical Chemistry Chemical Physics	21		702-717	10.1039/C8CP04880K	3,567
2019	Céolin R., Rietveld I. B.	TOPOLOGICAL PRESSURE-TEMPERATURE STATE DIAGRAM OF THE CRYSTALLINE DIMORPHISM OF 2,4,6-TRINITROTOLUENE	Fluid Phase Equilibria				10.1016/j.fluid.2019.112395	2,514
2019	De Saint Jores C., Brandel C. E., Gharbi N., Sanselme M. E., Cardiné P. E., Coquerel G. E.	Limitations of Preferential Enrichment: A Case Study on Tryptophan Ethyl Ester Hydrochloride	Chemical Engineering and Technology	42	7	1500-1504	10.1002/ceat.201800702	2,418
2019	Harfouche L. C., Brandel C. C., Cartigny Y. C., Ter Horst J. C., Coquerel G. C., Petit S. C.	Enabling Direct Preferential Crystallization in a Stable Racemic Compound System	Molecular Pharmaceutics				10.1021/acs.molpharmaceut.9b00805	4,396
2019	Houante M., Sanselme M., Rietveld I., Coquerel G.	Disappearing conglomerates: assessment of the threat	Crystal Growth and Design				10.1021/acs.cgd.9b03316	4,153
2019	Mbodji A., Gbabode G., Sanselme M., Couvrat N., Leeman M., Dupray V., Kelloff R., Coquerel G.	Family of Conglomerate-Forming Systems Composed of Chlophos and Alkyl-amine: Assessment of Their Resolution Performances by Using Various Modes of Preferential Crystallization	Crystal Growth and Design	9	19	S173-5183	10.1021/acs.cgd.9b00568	4,153
2019	Oketani R., Marin F., Timmermans P., Hoquante M., Laurent A., Brandel C., Cardiné P., Meekes H., Vlieg E., Geerts Y., Coquerel G.	Derceramization in a complex quaternary system with a second-order asymmetric transformation using phase diagram studies	Chemistry - A European Journal				10.1002/chem.201903338	5,16
2019	Oketani R., Takahashi H., Hoquante M., Brandel C., Cardiné P., Coquerel G.	NH-form of a threonine-based Schiff base in the solid state	Journal of Molecular Structure	1184	36-40		10.1016/j.jmoltstr.2019.01.093	2,12
2019	Oketani R., Hoquante M., Brandel C., Cardiné P., Coquerel G.	Resolution of an atropisomeric naphthamide by second-order asymmetric transformation: A highly productive technique	Organic Process Research and Development				10.1021/acs.oprd.9b00133	3,327
2019	Rietveld I. B., Keykhosravi S., Rietveld I., Couto D., Tamari J. L., Barrio M., Céolin R., Moussa F.	[60]Fullerene for Medicinal Purposes, A Purity Criterion towards Regulatory Considerations	Materials	12	16	2571	10.3390/ma12162571	2,972
2019	Schindler M., Couvrat N., Cartigny Y., Brandel C., Coquerel G.	Synthesis and Characterization of sodium dilithonate and its dihydrate	Chemical Engineering and Technology				10.1002/ceat.201800705	2,418
2019	Atawa B., Couvrat N., Coquerel G., Dargent E., Salter A.	Chirality impact on physical ageing: an original case of a small organic molecule	Materials Letters	228		141-144	10.1016/j.matlet.2018.05.133	3,019
2019	Atawa B., Couvrat N., Coquerel G., Dargent E., Salter A.	Impact of chirality on the Glass Forming Ability and the crystallization from the amorphous state of 5-ethyl-5-methylhydantoin, a chiral poor glass former	International Journal of Pharmaceutics	540	01-fevr	nov-21	10.1016/j.ijpharm.2018.01.050	4,213
2019	Carli V., Menu-Bouaouiche L., Cardiné P., Benisian L., Coquerel G.	Impact of dilution on tablet formulations manufacturing by spray drying process for pressurised metered dose inhaler formulations	Annales Pharmaceutiques Françaises	76	4	291-298	10.1016/j.pharma.2018.03.003	Not referenced
2019	Couvrat N., Sanselme M., Cartigny Y., De Smet F., Rome S., Aerts L., Quéré L., Wouters J., Coquerel G.	A Possible Infinite Number of Components in a Single Crystalline Phase: On the Isomorphism of Brivaracetam-Guest Molecules	Crystal Growth and Design	18	9	4807-4810	10.1021/acs.cgd.8b00331	4,153
2019	Couvrat N., Mahieux J., Sanselme M., Coquerel G.	Limitations during the Resolution of (+)-Epinephrine by Using Tartaric Acid	Chemical Engineering and Technology	41	6	1086-1092	10.1002/ceat.201700557	2,418
2019	Li K., Gbabode G., Coquerel G., Céolin R., Rietveld I. B.	On the dimorphism and the pressure-temperature state diagram of racemic m-nisoldipine, a dihydropyridine calcium ion antagonist	Annales Pharmaceutiques Françaises				10.1016/j.pharma.2018.03.010	Not referenced
2019	Oketani R., Hoquante M., Brandel C., Cardiné P., Coquerel G.	Practical Role of Racemization Rates in Derceramization Kinetics and Process Productivities	Crystal Growth and Design	18	11	6417-6420		4,153
2019	Rietveld I. B., Polan A., Tamari J.-L., Nicolai B., Barrio M., Lloveras P., Itié J.-P.	A thermodynamically consistent phase diagram of a trimorphic pharmaceutical, l-tyrosine ethyl ester, based on limited experimental data	Physical Chemistry Chemical Physics	20		24074-24087	10.1039/c8cp01813h	3,567
2019	Rietveld I. B., Barrio M., Lloveras P., Céolin R., Tamari J.-L.	Polymerism of spironolactone: An unprecedented case of monotropy turning to enantiotopy with a huge difference in the melting temperature	International Journal of Pharmaceutics	552	01-fevr	193-205	10.1016/j.ijpharm.2018.09.059	4,213
2019	Schammé B., Couvrat N., Tognetti V., Delbreilh L., Dupray V., Dargent E., Coquerel G.	Investigation of Drug-Excipient Interactions in Bidisperse Amorphous Solid Dispersions	Molecular Pharmaceutics	15		3 1112-1125	10.1021/acs.molpharmaceut.7b00993	4,396
2017	Burel A., Couvrat N., Tisse S., Cartigny Y., Cardiné P., Coquerel G.	Binary phase diagrams between phenanthrene and two of its impurities: 9,10-dihydronaphthalene and carbazole	The European Physical Journal. Special Topics	226	5	869-880	10.1140/epjst/e2016-60270-0	1,947
2017	Burel A., Vaccaro M., Cartigny Y., Tisse S., Coquerel G., Cardiné P.	Retention modeling and retention time prediction in gas chromatography and flow-modulation comprehensive two-dimensional gas chromatography: The contribution of pressure on solute partition	Journal of Chromatography A	1485		101-119	10.1016/j.chroma.2017.01.011	3,716
2017	Gbabode G., Delvaux M., Schweiger G., Andreassen J., Nielsen M., Geerts Y.	Unique Crystal Orientation of Poly(ethylene oxide) Thin Films by Crystallization Using a Thermal Gradient	Macromolecules	50	15	5877-5891	10.1021/acs.macromol.7b00441	5,914
2017	Lemerle A., Viel O., Brandel C., Cartigny Y., Dargent E., Petit S., Coquerel G.	Optimization of experimental conditions for the monitoring of nucleation and growth of racemic Diprophlyline from the supercooled melt	Journal of Crystal Growth	472		nov-17	10.1016/j.jcrysgro.2017.03.034	1,742
2017	Mignot M., Schammé B., Tognetti V., Joubert L., Cardiné P., Peulon-Agasse V.	Anthracenyl polar embedded stationary phases with enhanced aromatic selectivity. Part II: A density functional theory study	Journal of Chromatography A	1519		91-99	10.1016/j.chroma.2017.08.083	3,716
2017	Mignot M., De Saint Jores C., Tchaplak A., Boyer F., Cardiné P., Peulon-Agasse V.	New anthracenyl polar embedded stationary phases with enhanced aromatic selectivity, a combined experimental and theoretical study: Part I-experimental study	Journal of Chromatography A	1512		sept-21	10.1016/j.chroma.2017.06.065	3,716
2017	Schammé B., Monnier X., Couvrat N., Delbreilh L., Dupray V., Dargent E., Coquerel G.	Insights of the Physical State Reached by an Active Pharmaceutical Ingredient upon High-Energy Milling	Journal of Physical Chemistry B	121	19	5142-5150	10.1021/acs.jpcb.7b02247	3,146
2017	Speybroeck D., Doublet C., Cardiné P., Fiol-Pelti C., Corens D.	The effect of high concentration addition on chiral separations in supercritical fluid chromatography	Journal of Chromatography A	1510		89-99	10.1016/j.chroma.2017.06.049	3,716
2017	Suwannasang K., Flood A., Rougeot C., Coquerel G.	Use of Programmed Damped Temperature Cycles for the Derceramization of a Racemic Suspension of a Conglomerate Forming System	Organic Process Research and Development	21	4	623-630	10.1021/acs.oprd.7b00028	3,584
2017	Viel O., Brandel C., Cartigny Y., Eusébio M. E. S., Canotilho J., Dupray V., Dargent E., Coquerel G., Petit S.	Crystallization of the Amorphous State of a Pharmaceutical Compound: Impact of Chirality and Chemical Purity	Crystal Growth and Design	17		1337-1346	10.1021/acs.cgd.6b01566	3,972
2017	Viel O., Delbreilh L., Coquerel G., Petit S., Dargent E.	Molecular Mobility of an Amorphous Chiral Pharmaceutical Compound: Impact of Chirality and Chemical Purity	Journal of Physical Chemistry B	121		32 7729-7740	10.1021/acs.jpcb.7b05667	3,146
2017	Yuan L., Clevers S., Burel A., Négrier P., Barrio M. D., Ben Hassine B., Mondieig D., Duoray V., Tamari J. L., Coquerel G.	New Intermediate Polymorph of 1-Fluoro-adamantane and Its Second-Order-like Transition toward the Low Temperature Phase	Crystal Growth and Design	17	6	3395-3401	10.1021/acs.cgd.7b00353	3,972
2016	Baaklini G., Gbabode G., Clevers S., Négrier P., Mondieig D., Coquerel G.	Trimorphism of N-methyletha: crystal structures, phase transitions and thermodynamic stabilities	CrystEngComm	18	25	4772-4778	10.1039/c6ce00652c	3,474
2016	Bobo E., Lefèvre B., Caume M.-C., Petit S., Coquerel G.	Evidence of two types of fluid inclusions in single crystals	CrystEngComm	18		5287	10.1039/c6ce00956e	3,474
2016	Brandel C., Cartigny Y., Coquerel G., Ter Horst J., Petit S.	Prenucleation-Asself-Assembly and Chiral Discrimination Mechanisms during Solution Crystallisation of Racemic Diprophlyline	Chemistry - A European Journal	22	45	16103-16112	10.1002/chem.20160270	5,317
2016	Brandel C., Petit S., Cartigny Y., Coquerel G.	Structural Aspects of Solid Solutions of Enantiomers	Current Pharmaceutical Design	22	32	4929-4941	10.2174/13816128226616072016423	2,611
2016	Burel A., Brugman S., Mignot M., Cartigny Y., Tisse S., Couvrat N., Peulon-Agasse V., Cardiné P., Coquerel G.	Phenanthrene Purification: Comparison of Zone Melting and Co-Crystallization	Chemical Engineering and Technology	39	7	1317-1325	10.1002/ceat.201600033	2,051
2016	Couvrat N., Mahieux I., Fours B., Cartigny Y., Schenkel E., Aerts L., Quéré L., Coquerel G.	Impact of sodium chloride on the expansion of a liquid-liquid miscibility gap in an API/water system: Case of Brivaracetam	International Journal of Pharmaceutics	515	01-fevr	702-707	10.1016/j.ijpharm.2016.11.003	3,649
2016	Couvrat N., Martins D., Lafontaine A., Sanselme M., Dupray V., Tauelle P., Lerner J.-M., Lynch M., Vaysse-Ludot L., Coquerel G.	Partial Blockage of the Reversible Solid-Solid Transition of Strontium Succinate	Chemical Engineering and Technology	39		7 1224-1230	10.1002/ceat.201500726	2,051
2016	Lussac E., Baratin R., Cardiné P., Agasse V.	Review on Micro-Gas Analyzer Systems: Feasibility, Separations and Applications	Critical Reviews in Analytical Chemistry	46		6 455-468	10.1080/10408347.2016.1150153	4
2016	Mignot M., Pérat A., Peulon-Agasse V., Cardiné P., Veuthey J.-L., Guillemaud D.	Evaluation of thermally pretreated silica stationary phases under hydrophilic interaction chromatography conditions	Journal of Separation Science	39		9 1611-1618	10.1002/jssc.201600034	2,557
2016	Robert B., Perrin M.-A., Barrio M., Tamari J.-L., Coquerel G.	The topological pressure-temperature phase diagram and crystal structures of the dimorphic system spiropane	Annales Pharmaceutiques Françaises	74		2 129-136	10.1016/j.pharma.2015.10.005	Not referenced
2016	Robert B., Perrin M.-A., Barrio M., Tamari J.-L., Coquerel G., Céolin R., Rietveld I.	Crystal Structures and Phase Relationships of 2 Polymorphs of 1,4-Diazabicyclo[3.2.2]nonane-2,6-dione: A Selective α -Nicotinic Receptor Partial Agonist	Journal of Pharmaceutical Sciences	105		1 64-70	10.1016/j.xphs.2015.10.015	2,713
2016	Schammé B., Mignot M., Couvrat N., Tognetti V., Joubert L., Dupray V., Dargent E., Coquerel G.	Molecular Relaxations in Supercooled Liquid and Glassy States of Amorphous Quinidine: Dielectric Spectroscopy and Density Function Theory Approaches	Journal of Physical Chemistry B	120	30	7579-7592	10.1021/acs.jpcb.6b04242	3,177
2016	Schammé B., Couvrat N., Malpel P., Dudognon E., Delbreilh L., Dupray V., Dargent E., Coquerel G.	Transformation of an active pharmaceutical ingredient upon high-energy milling: A process-induced disorder in Biclopytan	International Journal of Pharmaceutics	499	01-fevr	67-73	10.1016/j.ijpharm.2015.12.032	3,649
2016	Suwannasang K., Flood A., Coquerel G.	A Novel Design Approach To Scale Up the Temperature Cycle Enhanced Derceramization Process: Coupled Mixed-Suspension Vessels	Crystal Growth and Design	16	11	6461-6467	10.1021/acs.cgd.6b01139	4,055
2016	Yuan L., Clevers S., Couvrat N., Cartigny Y., Dupray V., Coquerel G.	Precise Urea/Water Eutectic Composition by Temperature-Resolved Second Harmonic Generation	Chemical Engineering and Technology	39		7 1326-1332	10.1002/ceat.201600032	2,051
2015	Baaklini G., Dupray V., Coquerel G.	Inhibition of the spontaneous polymorphic transition of pyrazinamide y form at room temperature by co-spray drying with 1,3-dimethylurea	International Journal of Pharmaceutics	479	1			3,994
2015	Bobo E., Petit S., Coquerel G.	Growth Rate Dispersion at the Single-Crystal Level	Chemical Engineering and Technology	38		6		2,385
2015	Brandel C., Ter Horst J.	Measuring induction times and crystal nucleation rates	Faraday Discussions	179				3,544
2015	Brandel C., Cartigny Y., Couvrat N., Eusébio M. E. S., Canotilho J., Petit S.	Mechanisms of Reversible Phase Transitions in Molecular Crystals: Case of Ciclopirox	Chemistry & Materials	27		18		9,407
2015	Coquerel G.	Solubility of chiral species as function of the enantiomeric excess	Journal of Pharmaceutical and Biomedical Pharmacology	67		6		2,363
2015	Couvrat N., Cartigny Y., Linol J., Vaysse-Ludot L., Langlois P., Coquerel G.	Crystallization of Terutroban Sodium Salt hydrate from the Deliquescent State	Chemical Engineering and Technology	38		6		2,385
2015	Delahousse G., Lavendomme R., Jabin I., Agasse V., Cardiné P.	Calixarene-based Stationary Phases for Chromatography	Current Organic Chemistry	19		23		1,949
2015	Duhamelet C., Cardiné P., Peulon-Agasse V., Firor R., Pascaud L., Semard-Jousset G., Giusti P., Livadars V.	Comparison of cryogenic and differential flow (forward and reverse fill/flush) modulators and applications to the analysis of heavy petroleum cuts by high-temperature comprehensive gas chromatography	Journal of Chromatography A	1387				3,926
2015	Fours B., Cartigny Y., Petit S., Coquerel G.	Formation of new polymorphs without any nucleation step. Desolvation of the rimonabant monohydrate: directional crystallisation concomitant to smooth dehydration	Faraday Discussions	179				3,544
2015	Mahieux I., Sanselme M., Coquerel G.	Access to Several Polymorphic Forms of (\pm)-Modafinil by Using Various Solvation-Desolvation Processes	Crystal Growth and Design	16		1		4,425
2015	Mignot M., Sebban M., Tchaplak A., Mercier O., Cardiné P., Peulon-Agasse V.	Thermal pre-treatments of superficially porous silica particles for high-performance liquid chromatography: Surface control, structural characterization and chromatographic evaluation	Journal of Chromatography A	1419				3,926
2015	Rouget C., Guillet F., Plaquevent J.-C., Coquerel G.	Ultrasound-Enhanced Derceramization: Toward the Existence of Agonist Effects in the Interpretation of Spontaneous Symmetry Breaking	Crystal Growth and Design	15		5		4,425
2015	Schammé B., Couvrat N., Malpel P., Delbreilh L., Dupray V., Dargent E., Coquerel G.	Crystallization kinetics and molecular mobility of an amorphous active pharmaceutical ingredient: A case study with Biclopytan	International Journal of Pharmaceutics	490	01-fevr			3,994
2015	Simon F., Clevers S., Gbabode G., Couvrat N., Agasse-Peulon V., Sanselme M., Dupray V., Coquerel G.	Enhanced Second Harmonic Generation from an Organic Self-Assembled Eutectic Binary Mixture: A Case Study with 3-Nitrobenzoic and 3,5-Dinitrobenzoic Acids	Crystal Growth and Design	15		2		4,425
2015	Simon F., Clevers S., Dupray V., Coquerel G.	Relevance of the Second Harmonic Generation to Characterize Crystalline Samples	Chemical Engineering and Technology	38		6		2,385