

Shoujiro Ogawa

List of Publications by Year in descending order

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66
papers

1,072
citations

430874

18
h-index

477307

29
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68
all docs

68
docs citations

68
times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical derivatization for enhancing sensitivity during LC/ESI-MS/MS quantification of steroids in biological samples: a review. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 57-69.	2.5	81
2	Isotope-coded ESI-enhancing derivatization reagents for differential analysis, quantification and profiling of metabolites in biological samples by LC/MS: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 181-193.	2.8	68
3	Unconjugated bile acids in rat brain: Analytical method based on LC/ESI-MS/MS with chemical derivatization and estimation of their origin by comparison to serum levels. <i>Steroids</i> , 2017, 125, 107-113.	1.8	62
4	A novel Cookson-type reagent for enhancing sensitivity and specificity in assessment of infant vitamin D status using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2453-2460.	1.5	50
5	Analysis of urinary vitamin D3 metabolites by liquid chromatography/tandem mass spectrometry with ESI-enhancing and stable isotope-coded derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6647-6654.	3.7	39
6	Detection of 4-3-oxo-steroid 5 α -reductase deficiency by LC-ESI-MS/MS measurement of urinary bile acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 900, 24-31.	2.3	38
7	Development and validation of the simultaneous measurement of four vitamin D metabolites in serum by LC-MS/MS for clinical laboratory applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7617-7627.	3.7	37
8	Regioselective Oxyfunctionalization of Unactivated Carbons in Steroids by a Model of Cytochrome P-450: An Osmiumporphyrin Complex/tert-Butyl Hydroperoxide System. <i>Journal of Organic Chemistry</i> , 2007, 72, 823-830.	3.2	36
9	Development and validation of a method for determination of plasma 25-hydroxyvitamin D3 3-sulfate using liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 230-234.	2.3	34
10	(S)-1-(4-Dimethylaminophenylcarbonyl)-3-aminopyrrolidine: A derivatization reagent for enantiomeric separation and sensitive detection of chiral carboxylic acids by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 940, 7-14.	2.3	33
11	Enantioselective determination of ibuprofen in saliva by liquid chromatography/tandem mass spectrometry with chiral electrospray ionization-enhancing and stable isotope-coded derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 387-392.	2.8	28
12	LC/ESI-MS/MS method for determination of salivary eicosapentaenoic acid concentration to arachidonic acid concentration ratio. <i>Biomedical Chromatography</i> , 2016, 30, 29-34.	1.7	27
13	Oxyfunctionalization of unactivated C-H bonds in triterpenoids with tert-butylhydroperoxide catalyzed by meso-5,10,15,20-tetramesitylporphyrinate osmium(II) carbonyl complex. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 165-171.	3.2	23
14	Derivatization of chiral carboxylic acids with (S)-anabasine for increasing detectability and enantiomeric separation in LC/ESI-MS/MS. <i>Journal of Separation Science</i> , 2012, 35, 2840-2846.	2.5	21
15	Methods for determination of fingernail steroids by LC/MS/MS and differences in their contents between right and left hands. <i>Steroids</i> , 2016, 109, 60-65.	1.8	21
16	Derivatization-based sample-multiplexing for enhancing throughput in liquid chromatography/tandem mass spectrometry quantification of metabolites: an overview. <i>Journal of Chromatography A</i> , 2020, 1634, 461679.	3.7	21
17	A facile synthesis of C-24 and C-25 oxysterols by in situ generated ethyl(trifluoromethyl)dioxirane. <i>Steroids</i> , 2009, 74, 81-87.	1.8	20
18	Methods for differential and quantitative analyses of brain neurosteroid levels by LC/MS/MS with ESI-enhancing and isotope-coded derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 155-162.	2.8	20

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19	Osmiumporphyrin-Catalyzed Oxyfunctionalization and Isomerization of Natural (δ^2)-Bile Acids with tert-Butyl Hydroperoxide. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3555-3563.	2.4	19
20	The remote-oxyfunctionalization of unactivated carbons in (δ^2)-3-oxobile acids by 2,6-dichloropyridine N-oxide catalyzed by ruthenium porphyrin and HBr: a direct lactonization at C-20. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1013-1018.	2.8	18
21	Oxyfunctionalization Products of Terpenoids with Dimethyldioxirane and Their Biological Activity. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 247-250.	1.3	18
22	A method for determination of aldosterone in adrenal tributary venous serum by derivatization using Girard P reagent isotopologues followed by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 106-113.	2.3	18
23	Isotope-coded derivatization based LC/ESI-MS/MS methods using a pair of novel reagents for quantification of hydroxycinnamic acids and hydroxybenzoic acids in fermented brown rice product. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 162-170.	2.8	15
24	Separation, synthesis and estrogenic activity of 4-nonylphenols: Two sets of new diastereomeric isomers in a commercial mixture. <i>Chemosphere</i> , 2008, 73, 1188-1193.	8.2	14
25	A Method for Simultaneous Determination of 25-Hydroxyvitamin D ₃ and Its 3-Sulfate in Newborn Plasma by LC/ESI-MS/MS after Derivatization with a Proton-Affinitive Cookson-Type Reagent. <i>Mass Spectrometry</i> , 2016, 5, S0051-S0051.	0.6	14
26	Biomimetic oxidation of unactivated carbons in steroids by a model of cytochrome P-450, oxorutheniumporphyrinate complex. <i>Lipids</i> , 2004, 39, 873-880.	1.7	13
27	ROMP polymer-based antimicrobial films repeatedly chargeable with silver ions. <i>Reactive and Functional Polymers</i> , 2011, 71, 195-203.	4.1	13
28	Comparative evaluation of new Cookson-type reagents for LC/ESI-MS/MS assay of 25-hydroxyvitamin D ₃ in neonatal blood samples. <i>Biomedical Chromatography</i> , 2016, 30, 938-945.	1.7	13
29	Sample-multiplexing by derivatization using multiple analogous reagents for enhancing throughput in LC/ESI-MS/MS assay of steroids: Plasma 17 β -hydroxyprogesterone as an example. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1146, 122117.	2.3	13
30	Potential Corticoid Metabolites: Chemical Synthesis of 3- and 21-Monosulfates and Their Double-Conjugates of Tetrahydrocorticosteroids in the 5.ALPHA.- and 5.BETA.-Series. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 344-353.	1.3	12
31	Studies on the Constituents of <i>Lagochilus leiocanthus</i> (Labiatae). <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 1535-1540.	1.3	12
32	Enhancing analysis throughput, sensitivity and specificity in LC/ESI-MS/MS assay of plasma 25-hydroxyvitamin D ₃ by derivatization with triplex 4-(4-dimethylaminophenyl)-1,2,4-triazoline-3,5-dione (DAPTAD) isotopologues. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 136, 126-133.	2.8	12
33	Changes in Polyamine Content in Rice Bran due to Fermentation with <i>Aspergillus oryzae</i> Analyzed by LC/ESI-MS/MS Combined with Derivatization. <i>Analytical Sciences</i> , 2019, 35, 427-432.	1.6	12
34	Quantification of ergothioneine in <i>Aspergillus oryzae</i> -fermented rice bran by a newly-developed LC/ESI-MS/MS method. <i>LWT - Food Science and Technology</i> , 2020, 118, 108812.	5.2	12
35	Enhancing LC/ESI-MS/MS Throughput for Plasma Bile Acid Assay by Derivatization-based Sample-Multiplexing. <i>Analytical Sciences</i> , 2020, 36, 1099-1104.	1.6	12
36	Improved sensitivity of serum/plasma 1 β ,25-dihydroxyvitamin D quantification by DAPTAD derivatization. <i>Clinica Chimica Acta</i> , 2017, 473, 173-179.	1.1	11

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37	Ring-opening metathesis polymerization of steroid-conjugated norbornenes and gradual release of estrone from a polymer film. <i>Reactive and Functional Polymers</i> , 2010, 70, 563-571.	4.1	10
38	Influence of saliva flow rate stimulated by gum-chewing on salivary concentrations of catecholamine metabolites. <i>Clinica Chimica Acta</i> , 2012, 414, 248-252.	1.1	10
39	Functionalization of unactivated carbons in 3 β ,6- and 3 β ,24-dihydroxy-5 β -cholane derivatives by dimethyldioxirane. <i>Lipids</i> , 2003, 38, 281-287.	1.7	9
40	Lupane triterpenes with a carbonyl group at C-20 induce cancer cell apoptosis. <i>Journal of Natural Medicines</i> , 2008, 62, 332-335.	2.3	9
41	Overestimation of salivary 25-hydroxyvitamin D3 level when using stimulated saliva with gum-chewing. <i>Steroids</i> , 2013, 78, 884-887.	1.8	9
42	Major Biliary Bile Acids of the Medaka (<i>Oryzias latipes</i>): 25 β - and 25 α -Epimers of 3 β ,7 β ,12 β -Trihydroxy-5 β -cholestanic Acid. <i>Zoological Science</i> , 2010, 27, 565-573.	0.7	8
43	An efficient synthesis of 7 β ,12 β -dihydroxy-4-cholesten-3-one and its biological precursor 7 α -hydroxy-4-cholesten-3-one: Key intermediates in bile acid biosynthesis. <i>Steroids</i> , 2013, 78, 927-937.	1.8	8
44	A Method for Quantification of Tetrahydroglucocorticoid Glucuronides in Human Urine by LC/MS/MS with Isotope-coded Derivatization. <i>Analytical Sciences</i> , 2018, 34, 1003-1009.	1.6	8
45	Identification of conjugation positions of urinary glucuronidated vitamin D 3 metabolites by LC/ESI-MS/MS after conversion to MS/MS-fragmentable derivatives. <i>Biomedical Chromatography</i> , 2019, 33, e4538.	1.7	7
46	Derivatization-based quadruplex LC/ESI-MS/MS method for high throughput quantification of serum dehydroepiandrosterone sulfate. <i>Biomedical Chromatography</i> , 2021, 35, e5027.	1.7	7
47	A comparative study of remote oxy-functionalization of unactivated carbons in 5 β -steroids by dimethyldioxirane and 2,6-dichloropyridine N-oxide / ruthenium-porphyrin / HBr. <i>Arkivoc</i> , 2003, 2003, 171-179.	0.5	7
48	A method for determination of aldosterone concentrations of six adrenal venous serum samples during a single LC/ESI-MS/MS run using a sextet of Girard reagents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 207, 114423.	2.8	7
49	Monoterpene Glucosides from <i>Ziziphora clinopodioides</i> (Labiatae). <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 397-401.	1.3	6
50	LC/MS/MS of Steroids Having Vicinal Diol as Electrospray-Active Boronates. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 326-332.	1.3	6
51	Capillary gas chromatographic separation of bile acid acyl glycosides without thermal decomposition and isomerization. <i>Journal of Chromatography A</i> , 2004, 1057, 171-176.	3.7	5
52	Chemical synthesis of the (25R)- and (25S)-epimers of 3 β ,7 β ,12 β -trihydroxy-5 β -cholestan-27-oic acid as well as their corresponding glycine and taurine conjugates. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 368-377.	3.2	5
53	Synthesis of multiply deuterated 3- and 21-monosulfates of allo-tetrahydrocorticosteroids as internal standards for mass spectrometry. <i>Steroids</i> , 2012, 77, 1423-1437.	1.8	5
54	A novel varanic acid epimer (24R,25S)-3 β ,7 β ,12 β ,24-tetrahydroxy-5 β -cholestan-27-oic acid is a major biliary bile acid in two varanid lizards and the Gila monster. <i>Steroids</i> , 2012, 77, 1510-1521.	1.8	5

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55	Quantitative MALDI-MS/MS assay for serum cortisol through charged derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 1129-1132.	2.8	5
56	Biliary bile acids in birds of the Cotingidae family: Taurine-conjugated (24R,25R)-3 β ,7 β ,24-trihydroxy-5 β -cholestan-27-oic acid and two epimers (25R and 25S) of 3 β ,7 β -dihydroxy-5 β -cholestan-27-oic acid. <i>Steroids</i> , 2011, 76, 1126-1135.	1.8	4
57	Nuclear magnetic resonance spectroscopy of 3 β ,7 β -dihydroxy-5 β -cholestan-24-oic acid multi-conjugates: unusual bile acid metabolites in human urine. <i>Chemistry and Physics of Lipids</i> , 2006, 140, 48-54.	3.2	3
58	Chemical Synthesis of (22E)-3- α ,6- α ,7- α ,12- α -Tetrahydroxy-5- β -chol-22-en-24-oic Acid and Its N-Acylamidated Conjugates with Glycine or Taurine: Precursors of the [22,23- 3 H] Labelled Tracers. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 1103-1106.	1.3	3
59	Chemical Synthesis of Rare Natural Bile Acids: 11 β -Hydroxy Derivatives of Lithocholic and Chenodeoxycholic Acids. <i>Lipids</i> , 2018, 53, 403-411.	1.7	3
60	(S)-1-(1-Methylpyridin-2-yl)-3-aminopiperidine as a novel derivatization reagent capable of enantiomeric separation and enhanced ESI-MS/MS detection for chiral carboxylic acids. <i>Microchemical Journal</i> , 2019, 146, 25-33.	4.5	3
61	Application of 4-Diethylaminobenzoic Acid & N-Succinimidyl Ester and Its Deuterated Isotopologue as Derivatization Reagents to Quantitative Analysis of 3 -Aminobutyric Acid in Serum by LC/ESI-MS/MS. <i>Chromatography</i> , 2022, , .	1.7	3
62	Chemical synthesis of the 17-propanamide derivatives of stereoisomeric 14 - 17 - and 17 -estradiols: potential 17 -hydroxysteroid dehydrogenase inhibitors. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 106-112.	3.2	2
63	Stereoselective Synthesis and NMR Characterization of 24 Epimeric Pairs of 24 Alkyl Oxysterols. <i>Lipids</i> , 2013, 48, 197-207.	1.7	2
64	3-Epi-25-hydroxyvitamin D3 is a poor substrate for SULT2A1: Analysis of its 3-sulfate in cord plasma and recombinant human SULT2A1 incubate. <i>Steroids</i> , 2020, 162, 108695.	1.8	2
65	An Improved Method for the Capillary Gas Chromatographic Derivatization of Polyhydroxylated Steroids Having tert-Hydroxyl Groups. <i>Analytical Sciences</i> , 2003, 19, 1317-1321.	1.6	1
66	Improvement of analysis throughput for LC/MS assay. <i>Analytical Sciences</i> , 2022, 38, 633-634.	1.6	0