Jian-Ming Ouyang

List of Publications by Year
in descending order

117 papers	1,535 citations	411340 20 h-index	511568 30 g-index
119 all docs	119 docs citations	119 times ranked	1344 citing authors

#	Article	IF	Citations
1	Sulfated Undaria pinnatifida polysaccharide inhibits the formation of kidney stones by inhibiting HK-2 cell damage and reducing the adhesion of nanoâ€‘calcium oxalate crystals. Materials Science and Engineering C, 2022, 134, 112564.	3.8	5
2	Interaction between nanometer calcium oxalate and renal epithelial cells repaired with carboxymethylated polysaccharides. , 2022, 137, 212854.		4
3	Porphyra yezoensis polysaccharide and potassium citrate synergistically inhibit calcium oxalate crystallization induced by renal epithelial cells and cytotoxicity of the formed crystals. Materials Science and Engineering C, 2021, 119, 111448.	3.8	11
4	Protective Effect of Degraded Porphyra yezoensis Polysaccharides on the Oxidative Damage of Renal Epithelial Cells and on the Adhesion and Endocytosis of Nanocalcium Oxalate Crystals. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	3
5	Inhibition of Calcium Oxalate Formation and Antioxidant Activity of Carboxymethylated Poria cocos Polysaccharides. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	8
6	Carboxymethylation of Corn Silk Polysaccharide and Its Inhibition on Adhesion of Nanocalcium Oxalate Crystals to Damaged Renal Epithelial Cells. ACS Biomaterials Science and Engineering, 2021, 7, 3409-3422.	2.6	11
7	Regulation of Laminaria Polysaccharides with Different Degrees of Sulfation during the Growth of Calcium Oxalate Crystals and their Protective Effects on Renal Epithelial Cells. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	4
8	Antioxidant activity of sulfated Porphyra yezoensis polysaccharides and their regulating effect on calcium oxalate crystal growth. Materials Science and Engineering C, 2021, 128, 112338.	3.8	17
9	Effects of Selenized <i>Astragalus</i> Polysaccharide on the Adhesion and Endocytosis of Nanocalcium Oxalate Dihydrate after the Repair of Damaged HK-2 Cells. ACS Biomaterials Science and Engineering, 2021, 7, 739-751.	2.6	9
10	Regulatory Effects of Damaged Renal Epithelial Cells After Repair by Porphyra yezoensis Polysaccharides with Different Sulfation Degree on the Calcium Oxalate Crystalâ€“Cell Interaction. International Journal of Nanomedicine, 2021, Volume 16, 8087-8102.	3.3	5
11	Shapeâ€dependent adhesion and endocytosis of hydroxyapatite nanoparticles on A7R5 aortic smooth muscle cells. Journal of Cellular Physiology, 2020, 235, 465-479.	2.0	17
12	High-phosphorus environment promotes calcification of A7R5 cells induced by hydroxyapatite nanoparticles. Materials Science and Engineering C, 2020, 107, 110228.	3.8	7
13	Comparison of the inhibition of high phosphate-induced smooth muscle cell calcification by Porphyra yezoensis and Astragalus polysaccharides. Journal of Functional Foods, 2020, 73, 104160.	1.6	5
14	Size-Dependent Cytotoxicity of Hydroxyapatite Crystals on Renal Epithelial Cells . International Journal of Nanomedicine, 2020, Volume 15, 5043-5060.	3.3	9
15	Repair of Tea Polysaccharide Promotes the Endocytosis of Nanocalcium Oxalate Monohydrate by Damaged HK-2 Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-12.	1.9	5
16	Regulation on Calcium Oxalate Crystallization and Protection on HK-2 Cells of Tea Polysaccharides with Different Molecular Weights. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	15
17	Degraded <i>Porphyra yezoensis</i> polysaccharide protects HK-2 cells and reduces nano-COM crystal toxicity, adhesion and endocytosis. Journal of Materials Chemistry B, 2020, 8, 7233-7252.	2.9	13
18	Preparation and characterization of selenized Astragalus polysaccharide and its inhibitory effect on kidney stones. Materials Science and Engineering C, 2020, 110, 110732.	3.8	20

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19	Preprotection of Tea Polysaccharides with Different Molecular Weights Can Reduce the Adhesion between Renal Epithelial Cells and Nano-Calcium Oxalate Crystals. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	1.9	8
20	Modulation of Calcium Oxalate Crystal Growth and Protection from Oxidatively Damaged Renal Epithelial Cells of Corn Silk Polysaccharides with Different Molecular Weights. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	1.9	18
21	Seaweed Porphyra yezoensis polysaccharides with different molecular weights inhibit hydroxyapatite damage and osteoblast differentiation of A7R5 cells. Food and Function, 2020, 11, 3393-3409.	2.1	8
22	Effects of <i>Porphyra yezoensis</i> Polysaccharide with Different Molecular Weights on the Adhesion and Endocytosis of Nanocalcium Oxalate Monohydrate in Repairing Damaged HK-2 Cells. ACS Biomaterials Science and Engineering, 2019, 5, 3974-3986.	2.6	21
23	Repair Effects of Astragalus Polysaccharides with Different Molecular Weights on Oxidatively Damaged HK-2 Cells. Scientific Reports, 2019, 9, 9871.	1.6	26
24	Comparison of the adhesion of calcium oxalate monohydrate to HK-2 cells before and after repair using tea polysaccharides . International Journal of Nanomedicine, 2019, Volume 14, 4277-4292.	3.3	20
25	Repair activity and crystal adhesion inhibition of polysaccharides with different molecular weights from red algae <i>Porphyra yezoensis</i> against oxalate-induced oxidative damage in renal epithelial cells. Food and Function, 2019, 10, 3851-3867.	2.1	24
26	Effects of physical properties of nano-sized hydroxyapatite crystals on cellular toxicity in renal epithelial cells. Materials Science and Engineering C, 2019, 103, 109807.	3.8	20
27	Comparison of the adhesion and endocytosis of calcium oxalate dihydrate to HK-2 cells before and after repair by <i>Astragalus</i> polysaccharide. Science and Technology of Advanced Materials, 2019, 20, 1164-1177.	2.8	5
28	Shape-dependent toxicity and mineralization of hydroxyapatite nanoparticles in A7R5 aortic smooth muscle cells. Scientific Reports, 2019, 9, 18979.	1.6	37
29	Preparation, properties, formation mechanisms, and cytotoxicity of calcium oxalate monohydrate with various morphologies. CrystEngComm, 2018, 20, 75-87.	1.3	18
30	Antioxidant Activities and Repair Effects on Oxidatively Damaged HK-2 Cells of Tea Polysaccharides with Different Molecular Weights. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-17.	1.9	23
31	Structural Characterization, Antioxidant Activity, and Biomedical Application of <i>Astragalus</i> Polysaccharide Degradation Products. International Journal of Polymer Science, 2018, 2018, 1-13.	1.2	17
32	Structural Characterization and Repair Mechanism of <i>Gracilaria lemaneiformis</i> Sulfated Polysaccharides of Different Molecular Weights on Damaged Renal Epithelial Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-15.	1.9	20
33	Redox-responsive mesoporous selenium delivery of doxorubicin targets MCF-7 cells and synergistically enhances its anti-tumor activity. Acta Biomaterialia, 2017, 54, 294-306.	4.1	55
34	Size-dependent cellular uptake mechanism and cytotoxicity toward calcium oxalate on Vero cells. Scientific Reports, 2017, 7, 41949.	1.6	41
35	Mesoporous titanium dioxide nanocarrier with magnetic-targeting and high loading efficiency for dual-modal imaging and photodynamic therapy. Journal of Materials Chemistry B, 2017, 5, 6081-6096.	2.9	26
36	Time-dependent subcellular structure injuries induced by nano-/micron-sized calcium oxalate monohydrate and dihydrate crystals. Materials Science and Engineering C, 2017, 79, 445-456.	3.8	8

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37	Comparison of the Inhibitory Mechanisms of Diethyl Citrate, Sodium Citrate, and Phosphonoformic Acid on Calcification Induced by High Inorganic Phosphate Contents in Mouse Aortic Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2017, 70, 411-419.	0.8	2
38	Effect of Crystal Shape and Aggregation of Calcium Oxalate Monohydrate on Cellular Toxicity in Renal Epithelial Cells. ACS Omega, 2017, 2, 6039-6052.	1.6	27
39	Shape-dependent cellular toxicity on renal epithelial cells and stone risk of calcium oxalate dihydrate crystals. Scientific Reports, 2017, 7, 7250.	1.6	23
40	Effects of plant polysaccharides with different carboxyl group contents on calcium oxalate crystal growth. CrystEngComm, 2017, 19, 4838-4847.	1.3	16
41	Diethyl citrate and sodium citrate reduce the cytotoxic effects of nanosized hydroxyapatite crystals on mouse vascular smooth muscle cells. International Journal of Nanomedicine, 2017, Volume 12, 8511-8525.	3.3	12
42	Effect of Content of Sulfate Groups in Seaweed Polysaccharides on Antioxidant Activity and Repair Effect of Subcellular Organelles in Injured HK-2 Cells. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	36
43	Concentration-dependent Cellular Injuries Induced by Calcium Oxalate Monohydrate and Dihydrate Crystals. , 2017, , .		0
44	Reinjury risk of nano-calcium oxalate monohydrate and calcium oxalate dihydrate crystals on injured renal epithelial cells: aggravation of crystal adhesion and aggregation. International Journal of Nanomedicine, 2016, 11, 2839.	3.3	16
45	Repair Effect of Seaweed Polysaccharides with Different Contents of Sulfate Group and Molecular Weights on Damaged HK-2 Cells. Polymers, 2016, 8, 188.	2.0	56
46	Renal Epithelial Cell Injury Induced by Calcium Oxalate Monohydrate Depends on Their Structural Features: Size, Surface, and Crystalline Structure. Journal of Biomedical Nanotechnology, 2016, 12, 2001-2014.	0.5	18
47	Adsorption differences of acidic, neutral and alkaline amino acids onto nano/micron COM and COD crystals. , 2016, , .		1
48	Relationship between uric acid stone formation and urinary crystallite components â€" an investigation of 109 cases of patients with UA stones. , 2016, , .		0
49	Comparative study of nanocrystallites in urine of magnesium ammonium phosphate stone patients and healthy controls by means of XRD, HRTEM and nanoparticle size analyzer. , 2016, , .		0
50	Differences in adsorption of anionic surfactant AOT by calcium oxalate: Effect of crystal size and crystalline phase. Chemical Research in Chinese Universities, 2016, 32, 682-688.	1.3	0
51	Protective Effects of Degraded Soybean Polysaccharides on Renal Epithelial Cells Exposed to Oxidative Damage. Journal of Agricultural and Food Chemistry, 2016, 64, 7911-7920.	2.4	5
52	Seaweed sulphated polysaccharide as an inhibitor of calcium oxalate renal stone formation. Journal of Functional Foods, 2016, 27, 685-694.	1.6	13
53	Synthesis, characterization, and cytotoxicity assay of calcium oxalate dihydrate crystals in various shapes. CrystEngComm, 2016, 18, 5463-5473.	1.3	22
54	Adhesion and internalization differences of COM nanocrystals on Vero cells before and after cell damage. Materials Science and Engineering C, 2016, 59, 286-295.	3.8	18

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55	Inhibition of Urinary Macromolecule Heparin on Aggregation of Nano-COM and Nano-COD Crystals. Molecules, 2015, 20, 1626-1642.	1.7	16
56	Formation Mechanism of Magnesium Ammonium Phosphate Stones: A Component Analysis of Urinary Nanocrystallites. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	2
57	Component analyses of urinary nanocrystallites of uric acid stone formers by combination of highâ€resolution transmission electron microscopy, fast Fourier transformation, energy dispersive Xâ€ray spectroscopy, Xâ€ray diffraction and Fourier transform infrared spectroscopy. IET Nanobiotechnology, 2015, 9, 114-121.	1.9	4
58	Size-dependent toxicity and interactions of calcium oxalate dihydrate crystals on Vero renal epithelial cells. Journal of Materials Chemistry B, 2015, 3, 1864-1878.	2.9	20
59	Preparation, characterization, and in vitro cytotoxicity of COM and COD crystals with various sizes. Materials Science and Engineering C, 2015, 57, 147-156.	3.8	33
60	Mechanism of cytotoxicity of micron/nano calcium oxalate monohydrate and dihydrate crystals on renal epithelial cells. RSC Advances, 2015, 5, 45393-45406.	1.7	15
61	Nanouric acid or nanocalcium phosphate as central nidus to induce calcium oxalate stone formation: a high-resolution transmission electron microscopy study on urinary nanocrystallites. International Journal of Nanomedicine, 2014, 9, 4399.	3.3	10
62	Comparison of Physicochemical Properties of Nano- and Microsized Crystals in the Urine of Calcium Oxalate Stone Patients and Control Subjects. Journal of Nanomaterials, 2014, 2014, 1-9.	1.5	5
63	Property changes of urinary nanocrystallites and urine of uric acid stone formers after taking potassium citrate. Materials Science and Engineering C, 2013, 33, 4039-4045.	3.8	11
64	Stabilization of Submicron Calcium Oxalate Suspension by Chondroitin Sulfate C May Be an Efficient Protection from Stone Formation. Bioinorganic Chemistry and Applications, 2013, 2013, 1-9.	1.8	3
65	Concave Urinary Crystallines: Direct Evidence of Calcium Oxalate Crystals Dissolution by Citrate<i>In Vivo</i>. Bioinorganic Chemistry and Applications, 2013, 2013, 1-8.	1.8	10
66	Changes in urinary nanocrystallites in calcium oxalate stone formers before and after potassium citrate intake. International Journal of Nanomedicine, 2013, 8, 909.	3.3	25
67	Interaction between submicron COD crystals and renal epithelial cells. International Journal of Nanomedicine, 2012, 7, 4727.	3.3	17
68	Nanocrystallites in urine and their relationship with the formation of kidney stones. Reviews in Inorganic Chemistry, 2012, 32, 101-110.	1.8	9
69	Inhibition on calcium oxalate crystallization and repair on injured renal epithelial cells of degraded soybean polysaccharide. Carbohydrate Polymers, 2012, 90, 392-398.	5.1	22
70	Promotion on Nucleation and Aggregation of Calcium Oxalate Crystals by Injured African Green Monkey Renal Epithelial Cells. Chinese Journal of Chemistry, 2012, 30, 496-500.	2.6	1
71	Mediation of calcium oxalate crystal growth on human kidney epithelial cells with different degrees of injury. Materials Science and Engineering C, 2012, 32, 840-847.	3.8	7
72	Aggregation of Urinary Microcrystallines with Different Sizes. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2012, 27, 343-347.	0.6	0

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73	Renal epithelial cell injury and its promoting role in formation of calcium oxalate monohydrate. Journal of Biological Inorganic Chemistry, 2011, 16, 405-416.	1.1	23
74	Agglomeration of urinary nanocrystallites: Key factor to formation of urinary stones. Materials Science and Engineering C, 2010, 30, 878-885.	3.8	7
75	Degradation of sulfated polysaccharide extracted from algal Laminaria japonica and its modulation on calcium oxalate crystallization. Materials Science and Engineering C, 2010, 30, 1022-1029.	3.8	17
76	Morphology, Particle Size Distribution, Aggregation, and Crystal Phase of Nanocrystallites in the Urine of Healthy Persons and Lithogenic Patients. IEEE Transactions on Nanobioscience, 2010, 9, 156-163.	2.2	40
77	Regulation of Potassium Aminocarboxylates on Calcium Oxalate Crystal Growth and Its Relationship with Molecular Structure. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 1185-1190.	0.6	1
78	Composition and Morphology of Nanocrystals in Urines of Lithogenic Patients and Healthy Persons. Bioinorganic Chemistry and Applications, 2009, 2009, 1-7.	1.8	3
79	Induction of Circular Patterns of Calcium Oxalate Monohydrate on Mica-Supported Defective Monolayer Films of Dipalmitoylphosphatidylcholine. Crystal Growth and Design, 2009, 9, 82-87.	1.4	6
80	Circular patterns of calcium oxalate monohydrate induced by defective Langmuirâ€"Blodgett film on quartz substrates. Materials Science and Engineering C, 2009, 29, 288-291.	3.8	1
81	Circular patterns of calcium oxalate crystals induced by defective Langmuir-Blodgett film. Science in China Series B: Chemistry, 2008, 51, 25-30.	0.8	2
82	Induction of Ringâ€Shaped Calcium Oxalate Patterns by Boundaries between Liquid Expanded Phase and Liquid Condensed Phase in Langmuirâ€Blodgett Film. Chinese Journal of Chemistry, 2008, 26, 827-830.	2.6	1
83	Formation of circular patterns of calcium oxalate crystals at defective sites of Langmuirâ€"Blodgett films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 155-158.	2.3	3
84	Effect of Concentration of Structurallyâ€Different Carboxylic Acids on Growth and Aggregation of Calcium Oxalate in Gel Systems. Chinese Journal of Chemistry, 2007, 25, 1379-1384.	2.6	7
85	Effects of temperature on growth and aggregation of calcium oxalate in presence of various carboxylic acids in silica gel systems. Materials Science and Engineering C, 2006, 26, 679-682.	3.8	16
86	Simultaneous formation of calcium oxalate (mono-, di-, and trihydrate) induced by potassium tartrate in gelatinous system. Journal of Crystal Growth, 2006, 293, 118-123.	0.7	41
87	Comparative investigations of ultrafine crystals in urine of healthy human and lithogenic patients. Materials Science and Engineering C, 2006, 26, 688-691.	3.8	11
88	Crystallization rules of calcium oxalate crystals in lithogenic urine and in healthy urine in vitro. Materials Science and Engineering C, 2006, 26, 683-687.	3.8	12
89	DOUBLE-LAYER ELECTROLUMINESCENT DEVICES BASED ON LANGMUIR-BLODGETT FILMS OF AMPHIPHILIC 8-AMINOQUINOLINE. International Journal of Nanoscience, 2006, 05, 703-707.	0.4	0
90	STUDY OF NANOPARTICLES IN URINES BY TRANSMISSION ELECTRON MICROSCOPY. International Journal of Nanoscience, 2006, 05, 769-773.	0.4	5

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91	Morphological and Phase Changes in Calcium Oxalate Crystals Induced by Sulfated Polysaccharide Extracted from AlgaeEucheuma striatum. Chemistry Letters, 2005, 34, 1296-1297.	0.7	4
92	Effect of tartrates with various counterions on the precipitation of calcium oxalate in vesicle solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 256, 21-27.	2.3	17
93	Effects of dipalmitoylphosphatidylcholine monolayers to the crystallization of calcium oxalate monohydrate from the solution containing chondroitin sulfate C. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 257-258, 47-50.	2.3	10
94	Langmuirâ€"Blodgett Film of Amphiphilic 8-Aminoquinoline and its Sensitivity to Copper Ion. Molecular Crystals and Liquid Crystals, 2005, 428, 111-125.	0.4	1
95	Effects of temperature and sodium carboxylate additives on mineralization of calcium oxalate in silica gel systems. Science in China Series B: Chemistry, 2004, 47, 311.	0.8	10
96	Crystallization of calcium oxalate monohydrate at dipalmitoylphosphatidylcholine monolayers in the presence of chondroitin sulfate A. Journal of Crystal Growth, 2004, 270, 646-654.	0.7	23
97	Ability of multifunctional sodium carboxylates to favor crystal growth of calcium oxalate dihydrate and trihydrate in lecithin-water liposome systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 245, 153-162.	2.3	9
98	Effects of Carboxylic Acids on the Crystal Growth of Calcium Oxalate Nanoparticles in Lecithinâˆ'Water Liposome Systems. Langmuir, 2003, 19, 8980-8985.	1.6	80
99	Simulation of calcium oxalate stone in vitro. Science in China Series B: Chemistry, 2003, 46, 234.	0.8	16
100	Controlled and uncontrolled crystallization of calcium oxalate monohydrate in the presence of citric acid. Dalton Transactions, 2003, , 2846.	1.6	35
101	Crystallization of Calcium Oxalate in Liposome Solutions of Different Carboxylates. Chemistry Letters, 2003, 32, 268-269.	0.7	15
102	Langmuir and Langmuir-Blodgett Films of Bilirubin. Molecular Crystals and Liquid Crystals, 2001, 363, 195-205.	0.3	4
103	An 8-Aminoquinoline-Based Langmuirâ€"Blodgett Film Sensor of Cu(II) Ion. Chemistry Letters, 2001, 30, 104-105.	0.7	3
104	Monolayer and LB Films of Amphiphilic 8-Hydroxyquinoline Derivatives. Molecular Crystals and Liquid Crystals, 2000, 338, 117-124.	0.3	1
105	Absorption Spectral Study of Mixed Chiral Amino Acid Porphyrin Langmuir-Blodgett Films. Spectroscopy Letters, 2000, 33, 633-642.	0.5	2
106	Properties of mixed monolayer and LB films of chiral amino acid porphyrin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 175, 99-104.	2.3	9
107	Synthesis and Characterization and Monolayers of Amphiphilic Complexes with 8-Hydroxyquinoline. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2000, 30, 1-17.	1.8	5
108	Langmuir Monolayer Formation of Zinc Complex from 8-Hydroxyquinoline Amphiphilic Ligand. Molecular Crystals and Liquid Crystals, 1999, 333, 145-149.	0.3	0

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109	Properties of Bilirubin/Stearic Acid Mixed Monolayer and Multilayers. Molecular Crystals and Liquid Crystals, 1999, 337, 129-132.	0.3	1
110	SOLVENT EXTRACTION OF PALLADIUM(II) WITH A SCHIFF BASE AND SEPARATION OF PALLADIUM FROM Pd(II)-Pt(VI) MIXTURE. Solvent Extraction and Ion Exchange, 1999, 17, 1255-1270.	0.8	5
111	Influence of Thickness and Surface Pressure of Langmuir-Blodgett Films on the Efficiency of Organic Electroluminescence. Molecular Crystals and Liquid Crystals, 1999, 337, 125-128.	0.3	2
112	Monolayer and Langmuirâ€"Blodgett films of bilirubin dihexadecyl ester. Thin Solid Films, 1999, 348, 242-247.	0.8	10
113	X-ray photoelectron spectroscopy study of Langmuirâ€"Blodgett films of N-octadecyl-8-hydroxy-2-quinoline carboxamide deposited from subphases containing metal ions. Thin Solid Films, 1999, 340, 257-261.	0.8	18
114	Investigation of dioctadecyl bilirubinamide in monolayers and Langmuirâ€"Blodgett films. Materials Science and Engineering C, 1999, 10, 115-118.	3.8	1
115	Ordered Molecular Films of Bilirubin and Its Amphiphilic Derivatives. Journal of Chemical Research, 1999, 23, 276-277.	0.6	0
116	Study of Infrared and Electronic Spectra Of N-Exadecyl-8-hydroxy-2-quinolinecarboxamide Complexes. Spectroscopy Letters, 1998, 31, 1001-1012.	0.5	1
117	Metal ion complexation of N-hexadecyl-8-hydroxy-2-quinolinecarboxamide in monolayers at the air-water interface and in organized monolayers systems. Thin Solid Films, 1996, 289, 199-204.	0.8	19