

# Yoel Sasson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2730761/publications.pdf>

Version: 2024-02-01

199  
papers

5,852  
citations

66343

42  
h-index

114465

63  
g-index

202  
all docs

202  
docs citations

202  
times ranked

4759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Nanostructured 3D Flowerlike BiOCl <sub>x</sub> Br <sub>1-x</sub> Semiconductors with Exceptional Visible Light Photocatalytic Activity. ACS Catalysis, 2013, 3, 186-191.	11.2	247
2	Dichlorotris(triphenylphosphine)ruthenium-catalyzed hydrogen transfer from alcohols to saturated and .alpha.,.beta.-unsaturated ketones. Journal of Organic Chemistry, 1975, 40, 1887-1896.	3.2	217
3	A Novel Heterojunction BiOBr/Bismuth Oxyhydrate Photocatalyst with Highly Enhanced Visible Light Photocatalytic Properties. Journal of Physical Chemistry C, 2012, 116, 11004-11012.	3.1	176
4	A new aziridine synthesis from 2-azido alcohols and tertiary phosphines. Preparation of phenanthrene 9,10-imine. Journal of Organic Chemistry, 1978, 43, 4271-4273.	3.2	131
5	A new family of BiO(ClxBr <sub>1-x</sub> ) visible light sensitive photocatalysts. Catalysis Communications, 2011, 12, 1136-1141.	3.3	130
6	Selective oxidation of alcohols by a H <sub>2</sub> O <sub>2</sub> -RuCl <sub>3</sub> system under phase-transfer conditions. Journal of Organic Chemistry, 1988, 53, 3553-3555.	3.2	122
7	Homogeneous catalytic transfer-hydrogenation of $\alpha,\beta$ -unsaturated carbonyl compounds by dichlorotris(triphenylphosphine)ruthenium (II). Tetrahedron Letters, 1971, 12, 2167-2170.	1.4	99
8	Palladium-catalyzed aryl-aryl coupling in water using molecular hydrogen: kinetics and process optimization of a solid-liquid-gas system. Tetrahedron, 1999, 55, 14763-14768.	1.9	87
9	A photoactive catalyst Ru <sup>g</sup> -C <sub>3</sub> N <sub>4</sub> for hydrogen transfer reaction of aldehydes and ketones. Green Chemistry, 2017, 19, 844-852.	9.0	87
10	Reversible ion-pair extraction in a biphasic system. application in transition metal-catalyzed isomerization of allylic compounds. Journal of Molecular Catalysis, 1981, 11, 293-300.	1.2	82
11	Catalytic hydrogenation of olefins, acetylenes and arenes by rhodium trichloride and aliquat-336 under phase transfer conditions. Tetrahedron Letters, 1983, 24, 4139-4142.	1.4	82
12	Hydroxide ion initiated reactions under phase-transfer-catalysis conditions. 5. Isomerization of allylbenzene via hydroxide ion extraction. Journal of Organic Chemistry, 1983, 48, 1022-1025.	3.2	81
13	Palladium-catalyzed decomposition of aqueous alkali metal formate solutions. Journal of Molecular Catalysis, 1986, 35, 277-284.	1.2	77
14	Potassium Phosphate as a Solid Base Catalyst for the Catalytic Transfer Hydrogenation of Aldehydes and Ketones. ACS Catalysis, 2011, 1, 1631-1636.	11.2	74
15	Commercial ion exchange resins as catalysts in solid-solid-liquid reactions. Journal of Organic Chemistry, 1989, 54, 4993-4998.	3.2	72
16	Oxidative coupling of thiols to disulfides using a solid anhydrous potassium phosphate catalyst. Tetrahedron Letters, 2005, 46, 3583-3585.	1.4	72
17	Mechanism of base-catalyzed reactions in phase-transfer systems with poly(ethylene glycols) as catalysts. The isomerization of allylanisole. Journal of Organic Chemistry, 1984, 49, 3448-3451.	3.2	71
18	Role of a third liquid phase in phase-transfer catalysis. Journal of Organic Chemistry, 1991, 56, 7229-7232.	3.2	71

#	ARTICLE	IF	CITATIONS
19	On the Mechanism of Palladium-Catalyzed Coupling of Haloaryls to Biaryls in Water with Zinc. <i>Organic Letters</i> , 2000, 2, 211-214.	4.6	69
20	Homogeneous rearrangement of unsaturated carbinols to saturated ketones catalyzed by ruthenium complexes. <i>Tetrahedron Letters</i> , 1974, 15, 4133-4136.	1.4	67
21	Transfer hydrogenolysis of aryl halides and other hydrogen acceptors by formate salts in the presence of palladium/carbon catalyst. <i>Journal of Organic Chemistry</i> , 1991, 56, 6145-6148.	3.2	67
22	Studies on the mechanism of transfer hydrogenation of nitro arenes by formate salts catalyzed by palladium/carbon. <i>Journal of Organic Chemistry</i> , 1991, 56, 4481-4486.	3.2	64
23	Heterogeneous Palladium-Catalysed Heck Reaction of Aryl Chlorides and Styrene in Water Under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 348-354.	4.3	63
24	Hydroxide ion initiated reactions under phase transfer catalysis conditions—IV. <i>Tetrahedron</i> , 1982, 38, 3183-3187.	1.9	61
25	Liquid-phase oxidation of deactivated methylbenzenes by aqueous sodium hypochlorite catalyzed by ruthenium salts under phase-transfer catalytic conditions. <i>Journal of Organic Chemistry</i> , 1986, 51, 2880-2883.	3.2	60
26	Nanostructured 3D Sunflower-like Bismuth Doped BiOCl <sub>2</sub> ·Br Solid Solutions with Enhanced Visible Light Photocatalytic Activity as a Remarkably Efficient Technology for Water Purification. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19201-19209.	3.1	60
27	Air Oxidation of Benzene to Biphenyl - A Dual Catalytic Approach. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 455-459.	4.3	58
28	Interfacial activity of quaternary salts as a guide to catalytic performance in phase-transfer catalysis. <i>Journal of Organic Chemistry</i> , 1990, 55, 2714-2717.	3.2	55
29	Comparative autoxidation of 3-Carene and $\alpha$ -Pinene: Factors governing regioselective hydrogen abstraction reactions. <i>Tetrahedron</i> , 1998, 54, 593-598.	1.9	53
30	Tandem One-Pot Palladium-Catalyzed Reductive and Oxidative Coupling of Benzene and Chlorobenzene. <i>Journal of Organic Chemistry</i> , 2000, 65, 3107-3110.	3.2	53
31	Catalytic double bond isomerization by polystyrene-anchored dichlorotris(triphenylphosphine)ruthenium. <i>Journal of Organic Chemistry</i> , 1981, 46, 255-260.	3.2	52
32	Chemical Development of Latent Fingerprints: 1,2-Indanedione Has Come of Age. <i>Journal of Forensic Sciences</i> , 2001, 46, 1082-1084.	1.6	52
33	In vitro evaluation of anti-diabetic activity and cytotoxicity of chemically analysed <i>Ocimum basilicum</i> extracts. <i>Food Chemistry</i> , 2016, 196, 1066-1074.	8.2	50
34	Thin-layer phase-transfer catalysis in the reaction of alkyl chlorides and a solid formate salt. <i>Journal of the American Chemical Society</i> , 1988, 110, 185-189.	13.7	49
35	Regiospecific cross-coupling of haloaryls and pyridine to 2-phenylpyridine using water, zinc, and catalytic palladium on carbon. <i>Perkin Transactions II RSC</i> , 2000, , 1809-1812.	1.1	49
36	Hydrogen transfer from formyl compounds to $\alpha,\beta$ -unsaturated ketones catalyzed by Ru, Rh and Ir complexes. <i>Tetrahedron Letters</i> , 1972, 13, 1015-1018.	1.4	48

#	ARTICLE	IF	CITATIONS
37	Supported phase-transfer catalysts as selective agents in biphenyl synthesis from haloaryls. <i>Tetrahedron Letters</i> , 2001, 42, 6117-6119.	1.4	46
38	Preparation and reaction of $\alpha$ -keto-ketene mercaptals. <i>Tetrahedron Letters</i> , 1973, 14, 4207-4210.	1.4	45
39	Hydroxide-ion initiated reactions under phase-transfer catalysis conditions. 6. Dehydrobromination of (2-bromoethyl)benzene via slow hydroxide-ion extraction. <i>Journal of Organic Chemistry</i> , 1984, 49, 2011-2012.	3.2	45
40	Phase transfer-catalyzed reduction of aromatic aldehydes by aqueous sodium formate in the presence of dichlorotris(triphenylphosphine)ruthenium(II): a kinetic study. <i>Journal of Molecular Catalysis</i> , 1985, 33, 161-177.	1.2	44
41	Effect of phase-transfer catalysis on the selectivity of hydrogen peroxide oxidation of aniline. <i>Journal of Organic Chemistry</i> , 1989, 54, 3484-3486.	3.2	44
42	Homogeneous decarbonylation of formate esters catalyzed by Vaska's compound. <i>Organometallics</i> , 1986, 5, 2497-2499.	2.3	43
43	The fabrication of BiOCl <sub>x</sub> Br <sub>1-x</sub> /alumina composite films with highly exposed {001} facets and their superior photocatalytic activities. <i>Chemical Communications</i> , 2016, 52, 2161-2164.	4.1	43
44	Didecyldimethylammonium bromide (DDAB): a universal, robust, and highly potent phase-transfer catalyst for diverse organic transformations. <i>Tetrahedron</i> , 2007, 63, 7696-7701.	1.9	42
45	Sustainable visible light assisted <i>in situ</i> hydrogenation <i>via</i> a magnesium <sup>II</sup> water system catalyzed by a Pd-g-C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Green Chemistry</i> , 2019, 21, 261-268.	9.0	41
46	Highly active g-C <sub>3</sub> N <sub>4</sub> as a solid base catalyst for knoevenagel condensation reaction under phase transfer conditions. <i>RSC Advances</i> , 2017, 7, 25589-25596.	3.6	40
47	Effect of the CO <sub>2</sub> H groups of carboxylated triarylphosphines on (COD) RhCl(PAr <sub>3</sub> )-catalyzed isomerization of 1-octen-3-ol under phase transfer conditions. <i>Journal of Molecular Catalysis A</i> , 1997, 118, 55-61.	4.8	39
48	Nitration of Phenol and Substituted Phenols with Dilute Nitric Acid Using Phase-Transfer Catalysts. <i>Organic Process Research and Development</i> , 2003, 7, 95-97.	2.7	37
49	Urea nitrate and nitrourea: powerful and regioselective aromatic nitration agents. <i>Tetrahedron Letters</i> , 2006, 47, 8651-8652.	1.4	37
50	Conversion of chlorophenols into cyclohexane by a recyclable Pd-Rh catalyst. <i>Journal of Molecular Catalysis A</i> , 2005, 242, 68-73.	4.8	35
51	Rapid and efficient synthesis of symmetrical alkyl disulfides under phase transfer conditions. <i>Tetrahedron Letters</i> , 2007, 48, 6048-6050.	1.4	35
52	Solid <sup>II</sup> solid palladium-catalysed water reduction with zinc: mechanisms of hydrogen generation and direct hydrogen transfer reactions. <i>New Journal of Chemistry</i> , 2000, 24, 305-308.	2.8	34
53	Selective transfer hydrogenation of phenol to cyclohexanone on supported palladium catalyst using potassium formate as hydrogen source under open atmosphere. <i>Applied Catalysis A: General</i> , 2015, 499, 227-231.	4.3	34
54	Transition metal-catalyzed transfer reduction of saturated aldehydes and ketones by sodium formate under phase transfer conditions. <i>Journal of Molecular Catalysis</i> , 1984, 26, 327-332.	1.2	33

#	ARTICLE	IF	CITATIONS
55	Pyridines as bifunctional co-catalysts in the CrO <sub>3</sub> -catalyzed oxygenation of olefins by t-butyl hydroperoxide. <i>Journal of Molecular Catalysis A</i> , 1998, 136, 253-262.	4.8	33
56	Synthese, Struktur und katalytische Aktivit�t von $\text{Ru}(\text{Cl})_2(\text{P}(\text{C}_4\text{H}_9)_3)_2$ und $\text{Ru}(\text{Cl})_2(\text{P}(\text{C}_4\text{H}_9)_3)_2(\text{C}_6\text{H}_5)_2$ -Komplexen. <i>Chemische Berichte</i> , 1984, 117, 2825-2838.	0.2	32
57	Highly selective bromination of toluene in a bromine-oxirane-zeolite system. <i>Zeolites</i> , 1993, 13, 341-347.	0.5	32
58	Catalytic transfer hydrogenation of unsaturated compounds by solid sodium formate in the presence of palladium on carbon. <i>Journal of Molecular Catalysis</i> , 1984, 26, 321-326.	1.2	31
59	Base-catalyzed autoxidation of weak carbon acids using polyethylene glycols as phase-transfer catalysts. <i>Journal of Organic Chemistry</i> , 1984, 49, 1282-1284.	3.2	31
60	Effect of water on the extraction and reactions of fluoride anion by quaternary ammonium phase-transfer catalysts. <i>Journal of Organic Chemistry</i> , 1985, 50, 879-882.	3.2	31
61	Diols as effective cocatalysts in the phase transfer catalyzed preparation of 1-alkynes from 1,2-dihalides. <i>Tetrahedron</i> , 1986, 42, 3569-3574.	1.9	31
62	Synthesis of heterogeneous Ru(II)-1,2,3-triazole catalyst supported over SBA-15: application to the hydrogen transfer reaction and unusual highly selective 1,4-disubstituted triazole formation via multicomponent click reaction. <i>Catalysis Science and Technology</i> , 2018, 8, 3246-3259.	4.1	31
63	Formate-Bicarbonate Cycle as a Vehicle for Hydrogen and Energy Storage. <i>ChemSusChem</i> , 2021, 14, 1258-1283.	6.8	31
64	The extraction of alkoxide anions by quaternary ammonium phase transfer catalysis. <i>Tetrahedron</i> , 1985, 41, 2927-2932.	1.9	30
65	Synthesis of quaternary ammonium fluoride salts by a solid-liquid halogen exchange process in protic solvents. <i>Journal of Organic Chemistry</i> , 1989, 54, 4827-4829.	3.2	30
66	Potassium Phosphate as a High-Performance Solid Base in Phase-Transfer-Catalyzed Alkylation Reactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 3016-3023.	3.7	30
67	Oxidative Transfer Dehydrogenation of $\alpha,\beta$ -Unsaturated Carbinols to $\alpha,\beta$ -Unsaturated Ketones Catalyzed by Ruthenium Complexes. <i>Canadian Journal of Chemistry</i> , 1974, 52, 3825-3827.	1.1	29
68	Oxidative Bromination of Activated Aromatic Compounds Using Aqueous Nitric Acid as an Oxidant. <i>Organic Process Research and Development</i> , 2004, 8, 568-570.	2.7	29
69	Quantitative NMR spectrometry of phase-transfer catalysts. <i>Analytica Chimica Acta</i> , 1983, 154, 203-209.	5.4	28
70	Hydroxide-ion-initiated reactions under phase-transfer catalysis conditions. 9. Dehydrohalogenation of (haloethyl)benzenes by quaternary ammonium salts. <i>Journal of Organic Chemistry</i> , 1985, 50, 5088-5092.	3.2	28
71	Phase transfer methodology for the synthesis of substituted stilbenes under Knoevenagel condensation condition. <i>Applied Catalysis A: General</i> , 2008, 350, 217-224.	4.3	28
72	Superior Performance of NHPI Cocatalyst in the Autoxidation of Methylbenzenes under Solvent-Free Phase Transfer Conditions. <i>Organic Process Research and Development</i> , 2010, 14, 701-704.	2.7	28

#	ARTICLE	IF	CITATIONS
73	The true catalyst in hydrogen transfer reactions with alcohol donors in the presence of RuCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> is ruthenium(0) nanoparticles. <i>Catalysis Science and Technology</i> , 2012, 2, 1644.	4.1	28
74	In situ Generation of Superoxide Anion Radical in Aqueous Medium under Ambient Conditions. <i>ChemPhysChem</i> , 2013, 14, 4158-4164.	2.1	28
75	Effect of a Ru (II) catalyst on the rate of equilibration of carbinols and ketones. <i>Tetrahedron Letters</i> , 1974, 15, 833-836.	1.4	27
76	Sodium hypochlorite as oxidant in phase transfer catalytic systems. <i>Journal of Molecular Catalysis</i> , 1985, 29, 291-297.	1.2	27
77	Synthesis of cyclic disulfides using didecyldimethylammonium bromide as phase transfer catalyst. <i>Tetrahedron Letters</i> , 2008, 49, 520-522.	1.4	27
78	Solar Photocatalytic Degradation of Trace Organic Pollutants in Water by Bi(0)-Doped Bismuth Oxyhalide Thin Films. <i>ACS Omega</i> , 2018, 3, 10858-10865.	3.5	27
79	Microplastics removal strategies: A step toward finding the solution. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	6.0	27
80	Transfer hydrogenolysis of aryl bromides by sodium formate and palladium <sup>II</sup> phosphine catalyst under phase transfer conditions. <i>Journal of Molecular Catalysis</i> , 1982, 16, 175-180.	1.2	26
81	Sodium hypochlorite as oxidant in phase transfer catalytic systems. <i>Journal of Molecular Catalysis</i> , 1985, 29, 299-303.	1.2	26
82	Copper catalyzed oxidation of tetralin to 1-(tert-butylperoxy)-tetralin by aqueous tert-butylhydroperoxide under phase transfer conditions. <i>Tetrahedron Letters</i> , 1996, 37, 2063-2066.	1.4	26
83	The mechanism of N-alkylation of weak N-H-acids by phase transfer catalysis. <i>Tetrahedron Letters</i> , 1985, 26, 297-300.	1.4	25
84	Unusual phase transfer mechanism of the ruthenium-catalyzed oxidation of alcohols with hydrogen peroxide. <i>Tetrahedron</i> , 1999, 55, 6301-6310.	1.9	25
85	Solvent <sup>II</sup> -free and Selective Autooxidation of Alkylbenzenes Catalyzed by Co/NHPI under Phase Transfer Conditions. <i>ChemistrySelect</i> , 2016, 1, 3791-3796.	1.5	25
86	Homogeneous transfer hydrogenolysis of carbon tetrachloride by carbinols catalyzed by dichlorotris(triphenylphosphine)ruthenium (II). <i>Tetrahedron Letters</i> , 1974, 15, 3221-3224.	1.4	24
87	Selective monoetherification and monoesterification of diols and diacids under phase-transfer conditions. <i>Tetrahedron</i> , 1989, 45, 1533-1536.	1.9	24
88	Selectivity in the liquid-phase bromination of aromatics catalyzed by zeolites. <i>Zeolites</i> , 1991, 11, 617-621.	0.5	24
89	PdAlqEn: A Novel Upgraded Version of the PdEnCat <sup>TM</sup> Family of Polyurea Encapsulated Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1230-1234.	4.3	24
90	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. <i>Langmuir</i> , 2016, 32, 8557-8564.	3.5	24

#	ARTICLE	IF	CITATIONS
91	Pd/Ca <sup>2+</sup> -Catalyzed Transfer-Hydrogenation of Benzaldehydes to Benzyl Alcohols Using Potassium Formate as the Selective Hydrogen Donor. <i>Synthetic Communications</i> , 2004, 34, 643-650.	2.1	23
92	Conversion of amides to thiol acids and isothiocyanates. Novel method for breaking of the amide bond. <i>Journal of the American Chemical Society</i> , 1973, 95, 3440-3441.	13.7	22
93	Isomerization of allyl alcohols by a water soluble ruthenium catalyst in a two-liquid phase system. <i>Journal of Molecular Catalysis</i> , 1979, 6, 289-292.	1.2	22
94	Selective liquid-phase bromination of toluene catalysed by zeolites. <i>Zeolites</i> , 1989, 9, 418-422.	0.5	22
95	Hydroxide ion initiated reactions under phase transfer catalysis conditions II. The roles of water and quat. <i>Tetrahedron Letters</i> , 1981, 22, 1719-1722.	1.4	21
96	Increased para-Selectivity in the Reimer-Tiemann Reaction by Use of Polyethylene Glycol as Complexing Agent. <i>Synthesis</i> , 1986, 1986, 569-570.	2.3	21
97	Silica impregnated with tetramethylammonium salts as solid-solid-liquid triphase catalysts. <i>Journal of Organic Chemistry</i> , 1990, 55, 2952-2954.	3.2	21
98	Double bond migration, cyclohexadiene disproportionation and alkyne hydration by Dowex <sup>®</sup> 1-RhCl <sub>3</sub> ion pair catalysts. <i>Journal of Molecular Catalysis A</i> , 1997, 126, 27-36.	4.8	21
99	Highly active Ru-g-C <sub>3</sub> N <sub>4</sub> photocatalyst for visible light assisted selective hydrogen transfer reaction using hydrazine at room temperature. <i>Catalysis Communications</i> , 2017, 102, 48-52.	3.3	21
100	"K-Region" imines of some carcinogenic aromatic hydrocarbons. <i>Journal of Organic Chemistry</i> , 1979, 44, 4178-4182.	3.2	20
101	Selective hydrobromination of branched alcohols using phase transfer catalysis. <i>Tetrahedron Letters</i> , 1987, 28, 1223-1224.	1.4	20
102	Highly Chemoselective Heterogeneous Pd-Catalyzed Biaryl Synthesis from Haloarenes: A Reaction in an Oil-in-Water Microemulsion. <i>Organic Process Research and Development</i> , 2003, 7, 641-643.	2.7	20
103	Palladium/Carbon Catalyzed Hydrogen Transfer Reactions using Magnesium/Water as Hydrogen Donor. <i>Catalysis Letters</i> , 2008, 125, 46-51.	2.6	20
104	Tris base assisted synthesis of monodispersed citrate-capped gold nanospheres with tunable size. <i>RSC Advances</i> , 2016, 6, 60916-60921.	3.6	20
105	Heterogeneous Rh/C-Catalyzed Direct Reductive Coupling of Haloaryls to Biaryls in Water. <i>Organic Process Research and Development</i> , 2003, 7, 44-46.	2.7	19
106	Polystyrene-supported RhCl <sub>3</sub> -quaternary ammonium ion pair as a long-lived, efficient and recyclable catalyst. <i>Tetrahedron Letters</i> , 1994, 35, 781-784.	1.4	18
107	A Mechanistic Study of Methyl Parathion Hydrolysis by a Bifunctional Organoclay. <i>Environmental Science &amp; Technology</i> , 2007, 41, 106-111.	10.0	18
108	Development of Hybrid BiOCl <sub>2</sub> -Br <sup>-</sup> -Embedded Alumina Films and Their Application as Highly Efficient Visible-Light-Driven Photocatalytic Reactors. <i>Chemistry - A European Journal</i> , 2016, 22, 370-375.	3.3	18



#	ARTICLE	IF	CITATIONS
109	Pd doped carbon nitride (Pd-g-C <sub>3</sub> N <sub>4</sub> ): an efficient photocatalyst for hydrogenation <i>via</i> an AlH <sub>2</sub> O system and an electrocatalyst towards overall water splitting. <i>Green Chemistry</i> , 2022, 24, 5535-5546.	9.0	18
110	Hydroxide Ion-Initiated Deuteration of Very Weak CH Acids under Phase Transfer Catalysis Conditions. <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 54-55.	4.4	17
111	Esterification of 1,4-dichlorobutane with sodium formate under solid-liquid phase transfer catalysis. A kinetic study. <i>Canadian Journal of Chemistry</i> , 1989, 67, 245-249.	1.1	17
112	Heterogeneous Pd-Catalyzed Biphenyl Synthesis under Moderate Conditions in a Solid-Liquid Two-Phase System. <i>Organic Process Research and Development</i> , 2002, 6, 297-300.	2.7	17
113	Simple dichlorotris(triphenylphosphine)ruthenium-catalyzed synthesis of the 3,5,6,7-tetrahydro-4(2H)-benzofuranone system. <i>Journal of Organic Chemistry</i> , 1975, 40, 2402-2403.	3.2	16
114	Formation of Carbon-Halogen Bonds (Cl, Br, I). , 0, , 535-628.		16
115	Tuning the Selectivity of Heterogeneous Catalysts: A Trimetallic Approach to Reductive Coupling of Chloroarenes in Water. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 274-278.	4.3	16
116	Demonstrating a New BiOClO <sub>8</sub> Br <sub>0.125</sub> Photocatalyst to Degrade Pharmaceuticals Under Solar Irradiation. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	16
117	Catalytic transformation of benzoic anhydrides into fluorenones and biphenyls. <i>Journal of Organic Chemistry</i> , 1970, 35, 3233-3237.	3.2	15
118	Hydroxide ion initiated reactions in phase transfer catalysis. I. Isomerization of allylbenzene.. <i>Tetrahedron Letters</i> , 1981, 22, 703-704.	1.4	15
119	Tandem catalytic condensation and hydrogenation processes in ionic liquids. <i>Tetrahedron Letters</i> , 2005, 46, 1885-1887.	1.4	15
120	Spatially-controlled growth of platinum on gold nanorods with tailoring plasmonic and catalytic properties. <i>RSC Advances</i> , 2016, 6, 10713-10718.	3.6	15
121	Further Observations on the Mechanism of Formic Acid Decomposition by Homogeneous Ruthenium Catalyst. <i>ChemistrySelect</i> , 2017, 2, 5816-5823.	1.5	15
122	Extending the Haloform reaction to non-methyl ketones: Oxidative cleavage of cycloalkanones to dicarboxylic acids using sodium hypochlorite under Phase Transfer Catalysis conditions. <i>Tetrahedron</i> , 1996, 52, 13641-13648.	1.9	14
123	Direct evidence for the hydroxide extraction mechanism in the phase transfer catalyzed cyclopropanation of 4-halobutyronitrile in a solid-liquid system. <i>Tetrahedron Letters</i> , 1998, 39, 9815-9818.	1.4	14
124	Functionalized Graphitic Carbon Nitride Decorated with Palladium: an Efficient Heterogeneous Catalyst for Hydrogenation Reactions Using KHCO <sub>2</sub> as a Mild and Noncorrosive Source of Hydrogen. <i>ACS Omega</i> , 2020, 5, 12302-12312.	3.5	14
125	Homogeneous isoaromatization of alicyclic dienones catalyzed by complexes of the platinum group. <i>Tetrahedron Letters</i> , 1974, 15, 1263-1266.	1.4	13
126	Bromination of .alpha.-substituted alkylbenzenes: synthesis of (p-bromophenyl)acetylene. <i>Journal of Organic Chemistry</i> , 1989, 54, 3224-3226.	3.2	13



#	ARTICLE	IF	CITATIONS
127	Disinfection and Mechanistic Insights of <i>Escherichia coli</i> in Water by Bismuth Oxyhalide Photocatalysis. <i>Photochemistry and Photobiology</i> , 2016, 92, 826-834.	2.5	13
128	Generation and Quantification of Formate Ion Produced from Aqueous Sodium Bicarbonate in the Presence of Homogeneous Ruthenium Catalyst. <i>ACS Omega</i> , 2018, 3, 12797-12801.	3.5	13
129	The effect of phase transfer catalysts on the Reimer-Tiemann reaction. <i>Tetrahedron Letters</i> , 1979, 20, 3753-3756.	1.4	12
130	Conversion of halophilic algae into extractable oil. 2. Pyrolysis of proteins. <i>Fuel</i> , 1981, 60, 90-92.	6.4	12
131	Selective homogeneous transfer hydrogenolysis of trihalomethyl compounds by alcohols and ruthenium-phosphine catalysts. <i>Journal of Molecular Catalysis</i> , 1982, 16, 167-174.	1.2	12
132	The effect of acetate ion on the phase transfer catalyzed alkaline hydrolysis of alkyl halides. <i>Journal of Molecular Catalysis</i> , 1983, 18, 57-60.	1.2	12
133	Catalyst poisoning and selectivity constants in polyethylene glycol catalyzed phase transfer catalysis. <i>Journal of Molecular Catalysis</i> , 1985, 31, 81-88.	1.2	12
134	Tandem Pd-Catalyzed Reductive Coupling and Dehalogenation of Benzylic Halides. <i>Synthetic Communications</i> , 2005, 35, 2715-2722.	2.1	12
135	Generation of Hydrogen from Zero-Valent Iron and Water: Catalytic Transfer Hydrogenation of Olefins in Presence of Pd/C. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1258-1261.	2.7	12
136	<i>Gundelia tournefortii</i> Antidiabetic Efficacy: Chemical Composition and GLUT4 Translocation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-8.	1.2	12
137	Effect of precursor on the hydrogen evolution activity and recyclability of Pd-Supported graphitic carbon nitride. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36210-36220.	7.1	12
138	Transfer hydrogenolysis of trichloromethyl compounds by alcohols and polystyrene-anchored Rh, Ru and Ir complexes. <i>Journal of Molecular Catalysis</i> , 1983, 22, 187-194.	1.2	11
139	Dichlorobis(triphenylphosphine)palladium(II)-promoted hydrogenolysis of aryl bromides by benzyl alcohol under phase transfer conditions. <i>Journal of Molecular Catalysis</i> , 1984, 27, 349-353.	1.2	11
140	Liquid phase hydrogenation and hydrodenitrogenation of aromatic nitrogen-containing environmental pollutants. <i>Journal of Molecular Catalysis A</i> , 2007, 270, 171-176.	4.8	11
141	Preparation of Substituted Camphorimines. <i>Synthesis</i> , 1973, 1973, 535-535.	2.3	10
142	The Role of Water in Phase Transfer Catalysis. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 161, 495-516.	0.3	10
143	Synthesis of N-Quinonyl Carbamates via 2-Chloro-3-isocyanato-1,4-naphthoquinone. <i>Synthesis</i> , 2000, 2000, 1084-1086.	2.3	10
144	Highly Selective Pd-Catalyzed Reductive Coupling of Substituted Haloarenes with Supported Phase-Transfer Catalyst using Zn as the Reducing Agent. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 1079-1083.	4.3	10

#	ARTICLE	IF	CITATIONS
145	Co(II) Catalyzed Solvent Free Auto-Oxidation of Methylbenzenes to Substituted Benzoic Acids Under Phase Transfer Conditions. <i>Catalysis Letters</i> , 2009, 129, 358-362.	2.6	10
146	Phase Transfer Catalyzed Bromide↔Chloride Exchange: Dependence of Equilibrium Position and Selectivity Constant on Nature and Composition of Aqueous Phase. <i>Israel Journal of Chemistry</i> , 1985, 26, 243-247.	2.3	9
147	Examination of the regime controlling sol-gel based colloidal silica aggregation. <i>Journal of Non-Crystalline Solids</i> , 2013, 380, 35-41.	3.1	9
148	Bismuth Oxyhalide Induced Growth of Pt Nanoparticles within Mesoporous Alumina Films and their Use as Reusable Catalyst for Chromium(VI) Reduction. <i>ChemistrySelect</i> , 2017, 2, 620-623.	1.5	9
149	Formic Acid Dehydrogenation by Ruthenium Catalyst - Computational and Kinetic Analysis with the Energy Span Model. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 591-597.	2.4	9
150	NiO/Ni/graphitic carbon nitride as a selective catalyst for transfer hydrogenation of carbonyl compounds using NaH <sub>2</sub> PO <sub>2</sub> as a hydrogen source. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28554-28564.	7.1	9
151	Conversion of halophilic algae into extractable oils  Israeli Patent Pending, No. 57712, July 3, 1979.. <i>Fuel</i> , 1980, 59, 181-184.	6.4	8
152	An evaluation of polyethylene glycol as a catalyst in liquid-gas phase transfer catalysis: the base-catalyzed isomerization of allylbenzene. <i>Journal of Molecular Catalysis</i> , 1985, 33, 201-208.	1.2	8
153	Synthesis of acetylenes via dehydrobromination using solid anhydrous potassium phosphate as the base under phase-transfer conditions. <i>Tetrahedron Letters</i> , 2012, 53, 2295-2297.	1.4	8
154	Hybrid bismuth oxyhalides@gypsum as self-cleaning composites: novel aspects of a sustainable photocatalytic technology for solar environmental cleanup. <i>RSC Advances</i> , 2015, 5, 66650-66656.	3.6	8
155	A new mechanism for allylic alcohol isomerization involving ruthenium nanoparticles as a true catalyst™ generated through the self-assembly of supramolecular triruthenium clusters. <i>RSC Advances</i> , 2016, 6, 68041-68048.	3.6	8
156	Heterogemini surfactant assisted synthesis of monodisperse icosahedral gold nanocrystals and their applications in electrochemical biosensing. <i>RSC Advances</i> , 2016, 6, 31301-31307.	3.6	8
157	Halogen exchange reactions catalyzed by amines. <i>Journal of Molecular Catalysis</i> , 1981, 10, 357-360.	1.2	7
158	Cyclic vs. acyclic allylic hydrogen abstraction: An entropy motivated process?. <i>Tetrahedron</i> , 1998, 54, 5417-5422.	1.9	7
159	Total Mineralization of Carbon Tetrachloride under Basic Phase Transfer Conditions. <i>Organic Process Research and Development</i> , 2008, 12, 765-770.	2.7	7
160	Catalytic Hydrocracking -Hydrogenation of Castor Oil Fatty Acid Methyl Esters over Nickel Substituted Polyoxometalate Catalyst. <i>ChemistrySelect</i> , 2016, 1, 6396-6405.	1.5	7
161	Quantitative nmr spectrometry of phase-transfer catalysts. <i>Analytica Chimica Acta</i> , 1983, 154, 313-317.	5.4	6
162	New approach for the simple and economic preparation of inorganic bromide salts. <i>Industrial &amp; Engineering Chemistry Research</i> , 1992, 31, 431-434.	3.7	6

#	ARTICLE	IF	CITATIONS
163	Fluoride Anion as a Base and a Nucleophile in Phase-Transfer Catalysis of Uncharged Species. ACS Symposium Series, 1997, , 148-162.	0.5	6
164	A new simple method for the synthesis of cyclobutyl cyanide. Tetrahedron Letters, 1998, 39, 3093-3094.	1.4	6
165	Solid/Liquid Palladium-Catalyzed Coupling of Haloaryls Using Alcohols as Reducing Agents: Kinetics and Process Optimization. Organic Process Research and Development, 2003, 7, 109-114.	2.7	6
166	Mild electrophilic halogenation of chloropyridines using CCl <sub>4</sub> or C <sub>2</sub> Cl <sub>6</sub> under basic phase transfer conditions. Tetrahedron Letters, 2004, 45, 5061-5063.	1.4	6
167	Novel technology for the rapid total mineralization of carbon tetrachloride under ambient conditions. RSC Advances, 2013, 3, 24440.	3.6	6
168	BiOClBr-coated fabrics with enhanced antimicrobial properties under ambient light. Journal of Materials Chemistry B, 2021, 9, 3079-3087.	5.8	6
169	Fast and complete in situ mineralization of contaminated soils using a novel method for superoxide generation. RSC Advances, 2015, 5, 6571-6577.	3.6	5
170	Preparation of halogenated furfurals as intermediates in the carbohydrates to biofuel process. RSC Advances, 2016, 6, 36069-36076.	3.6	5
171	Palladium catalyzed hydrogenation of biomass derived halogenated furfurals. RSC Advances, 2016, 6, 103149-103159.	3.6	5
172	Conversion of tertiary amines to formamides in presence of dichlorocarbene and phenoxide ion. Tetrahedron Letters, 1980, 21, 1875-1876.	1.4	4
173	Long-chain ammonium fluoride salts as universal analytical reagents for total anion determination. Analytica Chimica Acta, 1990, 238, 389-392.	5.4	4
174	Application of perturbation theory to free-radical benzylic and allylic oxidation of unconjugated $\dot{\text{C}}\text{H}$ -systems. Tetrahedron, 1999, 55, 561-568.	1.9	4
175	Homogeneous RuCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> -Catalyzed Regioselective Liquid-Phase Transfer Hydrogenation of Carbon-Carbon Double Bond in Chlorobenzylidene Ketones with Ethylene Glycol as Hydrogen Donor. Organic Process Research and Development, 2000, 4, 571-574.	2.7	4
176	Liquid phase hydrodechlorination of some chlorinated aromatic nitrogen-containing heterocyclics. Journal of Molecular Catalysis A, 2009, 308, 182-185.	4.8	4
177	Gundelia tournefortii: Fractionation, Chemical Composition and GLUT4 Translocation Enhancement in Muscle Cell Line. Molecules, 2021, 26, 3785.	3.8	4
178	Use of <sup>13</sup> C isotope shifts for assignment of deuterium labelling sites in 1,3-diphenylpropan-1-one. Magnetic Resonance in Chemistry, 1984, 22, 565-568.	0.7	3
179	Preparation of Quaternary Ammonium Hydroxides via a Two-Stage Anion Exchange Process. Synlett, 1995, 1995, 245-246.	1.8	3
180	Novel synthesis of alkali and quaternary onium hydroxides via liquid anion exchange; an alternative concept for the manufacture of KOH and other hydroxide salts. Chemical Communications, 2000, , 1293-1294.	4.1	3

#	ARTICLE	IF	CITATIONS
181	New technology for post-combustion abatement of carbon dioxide via an in situ generated superoxide anion-radical. <i>RSC Advances</i> , 2014, 4, 36544-36552.	3.6	3
182	Naphthalenes Oxidation by Aqueous Sodium Hypochlorite Catalyzed by Ruthenium Salts Under Phase-Transfer Catalytic Conditions. <i>Catalysis Letters</i> , 2016, 146, 991-997.	2.6	3
183	Advantage of Using $\text{NaHPO}_2$ over Alkali Metal Formates as a Hydrogen Source for $\text{Pd/C/N}_4$ Catalyzed Hydrodehalogenation of Aryl Halides. <i>ChemistrySelect</i> , 2021, 6, 9477-9488.	1.5	3
184	Phosphadiazidine: A New Six-Membered Heterocyclic Ring with Pentavalent Phosphorus. <i>Israel Journal of Chemistry</i> , 1973, 11, 729-730.	2.3	2
185	Rearrangement and Oxidation of Diphenylphosphinous Acid Esters. <i>Synthesis</i> , 1974, 1974, 358-359.	2.3	2
186	Gas phase base-catalyzed dehydrogenations of cyclic hydrocarbons over a $\text{KOH/Al}_2\text{O}_3$ catalyst. <i>Journal of Molecular Catalysis</i> , 1986, 35, 131-136.	1.2	2
187	Dowex® 1-supported $\text{PtCl}_4$ ion pair as a recycle hydrogenation catalyst. <i>Journal of Molecular Catalysis A</i> , 1999, 144, 159-163.	4.8	2
188	Size selectivity during dip coating of sol-gel silica-based antireflective coatings and its effect on the porosity of the coatings. <i>Journal of Coatings Technology Research</i> , 2016, 13, 1103-1113.	2.5	2
189	Separation of Formate Ion from a Catalytic Mixture after a Hydrogenation Process of Bicarbonate Ion and Generation of Formic Acid—The Last Stage of the Formic Acid Cycle. <i>American Journal of Analytical Chemistry</i> , 2019, 10, 296-315.	0.9	2
190	Preparation of phase transfer catalysts by column ion exchange. <i>Reactive Polymers, Ion Exchangers, Sorbents</i> , 1983, 1, 315-317.	0.0	1
191	The 1,4-diester of 2-butene by phase-transfer catalyzed nucleophilic displacement and isomerization of dichlorobutene mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 1992, 31, 2062-2065.	3.7	1
192	CONVENIENT SYNTHESIS OF 2-PHENETHYL ALCOHOL BY HYDROLYSIS OF 2-BROMOETHYLBENZENE UNDER PHASE TRANSFER CONDITIONS. <i>Organic Preparations and Procedures International</i> , 1993, 25, 336-338.	1.3	1
193	One-Way Extraction of a Chemical Potential through a Liquid Membrane: A Concept Demonstration and Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 6045-6050.	3.7	1
194	Carbon Dioxide Capturing for Purifying Hydrogen Generated by Formic Acid Decomposition. <i>ChemistrySelect</i> , 2018, 3, 2487-2491.	1.5	1
195	Air Oxidation of Benzene to Biphenyl—A Dual Catalytic Approach. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 455-459.	4.3	1
196	$\text{Ru-gC}_3\text{N}_4$ Catalyzed Hydrodebenzylation of Benzyl Protected Alcohol and Acid Groups Using Sodium Hypophosphite as a Hydrogen Source. <i>Catalysts</i> , 2021, 11, 1227.	3.5	1
197	Determination of carbonate/hydrogencarbonate ratios by carbon-13 nuclear magnetic resonance spectrometry. <i>Analytica Chimica Acta</i> , 1982, 142, 345-347.	5.4	0
198	Assay of carbon nanoparticles in liquids. <i>Journal of Hazardous Materials</i> , 2016, 306, 323-331.	12.4	0

#	ARTICLE	IF	CITATIONS
199	Facile continuous process for gas phase halogen exchange over supported alkyl phosphonium salts. RSC Advances, 2018, 8, 2824-2828.	3.6	0