

Kattesh V Katti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

4,802
citations

38
h-index

64
g-index

168
ext. papers

5,184
ext. citations

5.2
avg, IF

5.09
L-index

#	Paper	IF	Citations
155	Green nanotechnology: An innovative pathway towards biocompatible and medically relevant gold nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 70, 103256	4.5	1
154	IAEA Contribution to Nanosized Targeted Radiopharmaceuticals for Drug Delivery. <i>Pharmaceutics</i> , 2022 , 14, 1060	6.4	1
153	Fabrication of Green Nanomaterials: Biomedical Applications and Ecotoxicology 2022 , 1-24		
152	Bombesin Peptide Conjugated Water-Soluble Chitosan Gallate-A New Nanopharmaceutical Architecture for the Rapid One-Pot Synthesis of Prostate Tumor Targeted Gold Nanoparticles. <i>International Journal of Nanomedicine</i> , 2021 , 16, 6957-6981	7.3	3
151	Water-Soluble Chitosan Conjugated DOTA-Bombesin Peptide Capped Gold Nanoparticles as a Targeted Therapeutic Agent for Prostate Cancer. <i>Nanotechnology, Science and Applications</i> , 2021 , 14, 69-89	3.9	10
150	Nanoradiopharmaceuticals Based on Alpha Emitters: Recent Developments for Medical Applications. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
149	Silver nanoparticles applications and ecotoxicology for controlling mycotoxins 2021 , 549-575		
148	Green synthesis of gold nanoparticles using Acai berry and Elderberry extracts and investigation of their effect on prostate and pancreatic cancer cells. <i>Nanobiomedicine</i> , 2021 , 8, 1849543521995310	4.8	14
147	Green nanotechnology of MGF-AuNPs for immunomodulatory intervention in prostate cancer therapy. <i>Scientific Reports</i> , 2021 , 11, 16797	4.9	6
146	The Activity of Gold Nanoparticles Synthesized Using Against Biofilms. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 675064	5.7	1
145	Green nanotechnology 2020 , 155-188		1
144	New Approaches in Breast Cancer Therapy Through Green Nanotechnology and Nano-Ayurvedic Medicine - Pre-Clinical and Pilot Human Clinical Investigations. <i>International Journal of Nanomedicine</i> , 2020 , 15, 181-197	7.3	40
143	Species-Specific in vitro and in vivo Evaluation of Toxicity of Silver Nanoparticles Stabilized with Gum Arabic Protein. <i>International Journal of Nanomedicine</i> , 2020 , 15, 7359-7376	7.3	10
142	dosimetry of low-dose rate brachytherapy using radioactive nanoparticles. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	3
141	Estimation of tumor and local tissue dose in gold nanoparticles radiotherapy for prostate cancer. <i>Reports of Practical Oncology and Radiotherapy</i> , 2019 , 24, 288-293	1.5	6
140	Development of resveratrol-conjugated gold nanoparticles: interrelationship of increased resveratrol corona on anti-tumor efficacy against breast, pancreatic and prostate cancers. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4413-4428	7.3	45
139	Targeted Phytochemical-Conjugated Gold Nanoparticles in Cancer Treatment. <i>Ecoproduction</i> , 2019 , 37-52.5	5.5	5

138	Dual-Targeted Therapy and Molecular Imaging with Radiolabeled Nanoparticles. <i>Ecoproduction</i> , 2019 , 201-219	0.5	
137	Sustainable Nanotechnology: Mycotoxin Detection and Protection. <i>Nanotechnology in the Life Sciences</i> , 2018 , 323-349	1.1	3
136	Prostate tumor therapy advances in nuclear medicine: green nanotechnology toward the design of tumor specific radioactive gold nanoparticles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 1737-1747	1.5	20
135	Bovine Serum Albumin Conjugated Gold-198 Nanoparticles as Model To Evaluate Damage Caused by Ionizing Radiation to Biomolecules. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5062-5070	5.6	6
134	Selenium nanomaterials in biomedicine—An overview of new opportunities in nanomedicine of selenium. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 46, 223-233	4.5	57
133	Gum Arabic-encapsulated gold nanoparticles for a non-invasive photothermal ablation of lung tumor in mice. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 89, 1045-1054	7.5	25
132	Renaissance of nuclear medicine through green nanotechnology: functionalized radioactive gold nanoparticles in cancer therapy—A journey from chemistry to saving human lives. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 309, 5-14	1.5	20
131	Green Nanotechnology from Plant Extracts: Synthesis and Characterization of Gold Nanoparticles. <i>Advances in Nanoparticles</i> , 2016 , 05, 176-185	1.4	32
130	Laminin Receptor-Avid Nanotherapeutic EGCg-AuNPs as a Potential Alternative Therapeutic Approach to Prevent Restenosis. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 316	6.3	24
129	CTHRSSVVC Peptide as a Possible Early Molecular Imaging Target for Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	3
128	Photothermal therapy mediated by gum Arabic-conjugated gold nanoparticles suppresses liver preneoplastic lesions in mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 163, 47-56	6.7	24
127	Gold nanoparticle based X-ray contrast agent for tumor imaging in mice and dog: a potential nano-platform for computer tomography theranostics. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 383-92	4	35
126	Gum arabic-coated radioactive gold nanoparticles cause no short-term local or systemic toxicity in the clinically relevant canine model of prostate cancer. <i>International Journal of Nanomedicine</i> , 2014 , 9, 5001-11	7.3	46
125	Nanoparticles and phage display selected peptides for imaging and therapy of cancer. <i>Recent Results in Cancer Research</i> , 2013 , 194, 133-47	1.5	12
124	CHAPTER 6:Green Nanotechnology – A Sustainable Approach in the Nanorevolution. <i>RSC Green Chemistry</i> , 2012 , 144-156	0.9	3
123	Functionalized radioactive gold nanoparticles in tumor therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 42-51	9.2	42
122	Laminin receptor specific therapeutic gold nanoparticles (198AuNP-EGCg) show efficacy in treating prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12426-31	11.5	185
121	Tetradentate bis-phosphine ligands (P(2)N(2) and P(2)S(2)) and their Rh(III), Ni(II) and (105)Rh complexes: X-ray crystal structures of trans-[RhCl(2)(L2)]PF(6), [Ni(L2)](PF(6))(2) and Et(2)SO(2)-[Ni(L5)](2)(PF(6))(2). <i>Nuclear Medicine and Biology</i> , 2011 , 38, 63-76	2.1	13

120	An effective strategy for the synthesis of biocompatible gold nanoparticles using cinnamon phytochemicals for phantom CT imaging and photoacoustic detection of cancerous cells. <i>Pharmaceutical Research</i> , 2011 , 28, 279-91	4.5	87
119	Enhanced photoacoustic detection of melanoma cells using gold nanoparticles. <i>Lasers in Surgery and Medicine</i> , 2011 , 43, 333-8	3.6	29
118	New Nanomedicine Approaches Using Gold-thioguanine Nanoconjugates as Metallo-ligands. <i>Inorganica Chimica Acta</i> , 2011 , 372, 333-339	2.7	8
117	Nanoscale sensor design via in situ labeling of gold nanoparticles onto protein scaffolds. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 719-25	1.3	7
116	Gold nanoparticle mediated detection of prostate cancer cells using photoacoustic flowmetry with optical reflectance. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 187-91	4	57
115	Gold nanoparticle contrast in a phantom and juvenile swine: models for molecular imaging of human organs using x-ray computed tomography. <i>Academic Radiology</i> , 2010 , 17, 410-7	4.3	82
114	Bombesin functionalized gold nanoparticles show in vitro and in vivo cancer receptor specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8760-5	11.5	256
113	Radioactive gold nanoparticles in cancer therapy: therapeutic efficacy studies of GA-198AuNP nanoconstruct in prostate tumor-bearing mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010 , 6, 201-9	6	158
112	Biodistribution of maltose and gum arabic hybrid gold nanoparticles after intravenous injection in juvenile swine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009 , 5, 128-35	6	72
111	Green Nanotechnology from Tea: Phytochemicals in Tea as Building Blocks for Production of Biocompatible Gold Nanoparticles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2912-2920		297
110	Gastrin releasing protein receptor specific gold nanorods: breast and prostate tumor avid nanovectors for molecular imaging. <i>Nano Letters</i> , 2009 , 9, 1798-805	11.5	110
109	Green Nanotechnology from Cumin Phytochemicals: Generation of Biocompatible Gold Nanoparticles 2009 , 1, B39-B52		67
108	Facile and General Method for Synthesis of Sugar Coated Gold Nanoparticles 2009 , 1, B53-B59		41
107	Phosphinimines as selective extractants for Tc-99 pertechnetate. <i>Radiochimica Acta</i> , 2008 , 96,	1.9	4
106	Fluorescent phosphinimine as possible precursor to an anionic and fluorescent sensor for Tc-99. <i>Radiochimica Acta</i> , 2008 , 96, 835-844	1.9	4
105	Soybeans as a phytochemical reservoir for the production and stabilization of biocompatible gold nanoparticles. <i>Small</i> , 2008 , 4, 1425-36	11	157
104	Gum arabic as a phytochemical construct for the stabilization of gold nanoparticles: in vivo pharmacokinetics and X-ray-contrast-imaging studies. <i>Small</i> , 2007 , 3, 333-41	11	304
103	1,2-Bis(Dichlorophosphino)-1,2-Dimethylhydrazine and Alkoxy/Aryloxy Derivatives. <i>Inorganic Syntheses</i> , 2007 , 132-136		3

102	Agarose-stabilized gold nanoparticles for surface-enhanced Raman spectroscopic detection of DNA nucleosides. <i>Applied Physics Letters</i> , 2006 , 88, 153114	3.4	41
101	Nanocompatible chemistry toward fabrication of target-specific gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11342-3	16.4	78
100	Design, synthesis, and chemistry of sterically nondemanding primary bisphosphines. <i>Journal of the American Chemical Society</i> , 2005 , 127, 331-6	16.4	26
99	Unprecedented rhodium-mediated catalytic transfer hydrogenation of a phosphonate functionalized olefin in ecofriendly media. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2933-2938	2.7	5
98	New Vistas in Chemistry and Applications of Primary Phosphines. <i>Topics in Current Chemistry</i> , 2003 , 121-141		13
97	Syntheses, in vitro and in vivo characterization of a ^{99m} Tc-(I)-tricarbonyl-benzylamino-dihydroxymethyl phosphine (NP(2)) chelate. <i>Applied Radiation and Isotopes</i> , 2003 , 58, 543-9	1.7	17
96	Characterization of supramolecular (H ₂ O) ₁₈ water morphology and water-methanol (H ₂ O) ₁₅ (CH ₃ OH) ₃ clusters in a novel phosphorus functionalized trimeric amino acid host. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6955-61	16.4	234
95	In vitro and in vivo antitumor properties of tetrakis((trishydroxy- methyl)phosphine)gold(I) chloride. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 1130-2	8.3	56
94	Characterization of complexation reactions of mono- and bidentate-hydroxymethyl phosphine ligands with the organometallic ^{99m} Tc(I)(OH ₂) ₃ (CO) ₃ ⁺ synthon. <i>Radiochimica Acta</i> , 2003 , 91, 53-58	1.9	10
93	Novel Green Chemistry in the Phosphonate Assisted Catalytic Hydrogenation of Olefins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1951-1951	1	
92	Exceptional kinetic propensity of hydroxymethyl phosphanes toward Rh(III) stabilization in water. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7276-7	16.4	25
91	First Examples of Azaphosphanes as Efficient Electron Donors in the Chemical Architecture of Thermally Stable New Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2002 , 14, 2436-2438	9.6	25
90	New Phosphorus Chemistry Leads to Unnatural Aminoacid Trimers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1587-1589	1	3
89	Synthesis and characterization of (^{99m} Tc- and (¹⁸⁸ Re)-complexes with a diamido-dihydroxymethylenephosphine-based bifunctional chelating agent (N(2)P(2)-BFCA). <i>Nuclear Medicine and Biology</i> , 2002 , 29, 83-9	2.1	16
88	Synthesis, characterization, and labeling with ^{99m} Tc/ ¹⁸⁸ Re of peptide conjugates containing a dithia-bisphosphine chelating agent. <i>Bioconjugate Chemistry</i> , 2001 , 12, 354-63	6.3	56
87	Development of novel water-soluble, organometallic compounds for potential use in nuclear medicine: synthesis, characterization, and (1)H and (31)P NMR investigations of the complexes fac-[ReBr(CO) ₃ L] (L=bis(bis(hydroxymethyl)phosphino)ethane, bis(bis(hydroxymethyl)phosphino)propane). <i>Inorganic Chemistry</i> , 2001 , 40, 2252-62	5.1	30
86	Facile Ring-Opening Reactions of Phthalimides as a New Strategy to Synthesize Amide-Functionalized Phosphonates, Primary Phosphines, and Bisphosphines. <i>Journal of Organic Chemistry</i> , 2000 , 65, 676-680	4.2	40
85	Unprecedented Selective Aminolysis: Aminopropyl Phosphine as a Building Block for a New Family of Air Stable Mono-, Bis-, and Tris-Primary Phosphines. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1554-1555	16.4	44

84	Bifunctional Chelation Systems Based on Hydroxymethyl Phosphine-Based Donor Groups. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 489-492	1	2
83	Rhodium-105 Complexes of Polydentate, Aqueous-Soluble, Phosphine Ligands: New Radiochemical Developments towards Radioimmunotherapy. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 481-484	1	1
82	Phosphinimine complexes of technetium(VII): X-ray crystal structure of $[Ph_3P=NH+2][TcO_4]^-$. <i>Journal of Chemical Crystallography</i> , 1999 , 29, 39-43	0.5	10
81	Synthese des ersten Biokonjugats aus einem chelatisierenden Bisphosphan und einem Peptid ausgehend von einem neuartigen funktionalisierten Phosphor(III)-hydrid-Synthon. <i>Angewandte Chemie</i> , 1999 , 111, 2152-2155	3.6	6
80	Design and Development of the First Peptide-Chelating Bisphosphane Bioconjugate from a Novel Functionalized Phosphorus(III) Hydride Synthon. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2020-2023	16.4	30
79	Chemical and Biomedical Motifs of the Reactions of Hydroxymethylphosphines with Amines, Amino Acids, and Model Peptides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1658-1664	16.4	68
78	In vitro and in vivo evaluation of bidentate, water-soluble phosphine ligands as anchor groups for the organometallic fac-[$^{99m}Tc(CO)_3$]+-core. <i>Nuclear Medicine and Biology</i> , 1999 , 26, 711-6	2.1	45
77	Construction of Water-Soluble Phosphines, New Advances in Aqueous Organometallic Chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 461-464	1	3
76	^{99m}Tc -labeling and in vivo studies of a bombesin analogue with a novel water-soluble dithiadiphosphine-based bifunctional chelating agent. <i>Bioconjugate Chemistry</i> , 1999 , 10, 254-60	6.3	87
75	Design and Development of Functionalized Water-Soluble Phosphines: Catalytic and Biomedical Implications. <i>Accounts of Chemical Research</i> , 1999 , 32, 9-17	24.3	101
74	Formylation of functionalized P-H bonds: A novel approach to the design of synthons for use in biomedicine. <i>Journal of Chemical Sciences</i> , 1999 , 111, 425-436	1.8	
73	^{198}Au -labeled hydroxymethyl phosphines as models for potential therapeutic pharmaceuticals. <i>Nuclear Medicine and Biology</i> , 1998 , 25, 577-83	2.1	20
72	Retention of Inhibitory Potency of an ACE Inhibitor Conjugated with Rh(III) and Pd(II) (Iminophosphorano)phosphines. Synthesis and X-ray Structural Investigations. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11364-11373	16.4	26
71	Different co-ordination modes of the new, water-soluble, triphosphine $PhP[CH_2CH_2P(CH_2OH)_2]_2$ with Pt(II), Pd(II), Rh(I) and Re(V). <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1365-1370		11
70	Novel Coordination Behavior of fac-[$ReBr_3(CO)_3$] $^{2-}$ with 1,3,5-Triaza-7-phosphaadamantane (PTA). Systematic Investigation on Stepwise Replacement of the Halides by PTA Ligand. Phase Transfer Studies and X-ray Crystal Structure of $[NEt_4][ReBr_2((PTA)(CO)_3]$, $[ReBr(PTA)_2(CO)_3]$, and $[Re(PTA)_3(CO)_3]^{2-}$. <i>Inorganic Chemistry</i> , 1998 , 37, 5307-5312	5.1	27
69	Multifaceted Reactions of $P(CH_2OH)_3$ with Rhenium(V) Precursors. Synthesis, Characterization, and X-ray Structural Studies of trans,trans,trans-[$ReO_2\{P(CH_2OH)_3\}_2(py)_2\}Cl$, trans,cis,cis-[$ReO_2\{P(CH_2OH)_3\}_2(py)_2\}Cl$, and Novel Alkoxide $[Re(O)(EO)-\{P(CH_2OH)_3\}_2]^{2-}$. <i>Inorganic Chemistry</i> , 1998 , 37, 3341-3349	5.1	38
68	Chemistry in Environmentally Benign Media. 7.(1) Chelating Hydroxymethyl-Functionalized Bisphosphines as Building Blocks to Water-Soluble and in-Vitro-Stable Gold(I) Complexes. Synthesis, Characterization, and X-ray Crystal Structures of $[AuCl(P(CH_2OH)_2)_2]^{+}$ and $[AuCl(P(CH_2OH)_2)_2]^{+}$. <i>Inorganic Chemistry</i> , 1997 , 36, 2765-2769	5.1	25
67	Syntheses and Characterization of Chemically Flexible, Water-Soluble DithioBis(phosphine) Compounds: $(HOH_2C)_2P(CH_2)_2S(CH_2)_3S(CH_2)_2P(CH_2OH)_2$, $(HOH_2C)_2PCH_2CH_2S(CH_2)_4SCH_2CH_2P(CH_2OH)_2$, and $(HOH_2C)_2PCH_2CH_2S(CH_2)_5SCH_2CH_2P(CH_2OH)_2$. Systematic Investigation of the Effect of Chain Length on the Coordination Chemistry of Rhenium(V). X-ray Crystal Structures of $[ReO_2(HOH_2C)_2P(CH_2)_2S(CH_2)_3S(CH_2)_2P(CH_2OH)_2]_2(Cl)_2$, $[ReO_2(HOH_2C)_2P(CH_2)_2S(CH_2)_4S(CH_2)_2P(CH_2OH)_2]_2(ReO_4)^{-2}$, and $[ReO_2(HOH_2C)_2P(CH_2)_3S(CH_2)_3S(CH_2)_3P(CH_2)_2S(CH_2)_2P(CH_2OH)_2]_2(Cl)_2$. <i>Inorganic Chemistry</i> , 1997 , 36, 3928-3935	5.1	25

- 66 Synthesis and Coordination Chemistry of the First Water-Soluble Dithio-Bis(phosphine) Ligands [(HOH(2)C(2)P(CH(2))(2)S-X-S(CH(2))(2)P(CH(2)OH)(2)] (X = (CH(2))(3) or C(6)H(4)). X-ray Crystal Structure of [Pd(HOH(2)C(2)P(CH(2))(2)S(CH(2))(3)S(CH(2))(2)P(CH(2)OH)(2))(Cl)(2)(1)]. *Inorganic Chemistry*, **1997**, 36, 1786-1791 5.1 23
- 65 In vitro and in vivo characterization of novel water-soluble dithio-bisphosphine 99mTc complexes. *Nuclear Medicine and Biology*, **1997**, 24, 685-91 2.1 18
- 64 Chemistry of Bifunctional Photoprobes. 1. Perfluoroaryl Azido Functionalized Phosphorus Hydrazides as Novel Photoreactive Heterobifunctional Chelating Agents: High Efficiency Nitrene Insertion on Model Solvents and Proteins. *Journal of Organic Chemistry*, **1997**, 62, 2798-2807 4.2 26
- 63 Chemistry in Environmentally Benign Media, 8 Hydroxymethyl Functionalized Phosphanes as Building Blocks to new Water-Soluble Gold(I) Complexes - synthesis, Characterization, and X-ray crystal Structures of Novel Tetrahedral [Au{P(CH₂OH)₃]₄⁺ and Trigonal Planar [Au{P(CH₂OH)₃]₃⁺ Gold(I) Complexes. *Inorganic Chemistry*, **1997**, 36, 667-674 26
- 62 Reactions of Sodium Bis(N-aryliminophosphoranyl)alkanides with Halide-Bridged Platinum(II) and Palladium(II) Phosphine Dimers Affording Four-Membered M₂P₂ Metallacycles and Orthometalated Platinum(II) and Palladium(II) Complexes. *Organometallics*, **1996**, 15, 2376-2392 3.8 50
- 61 Synthesis and Single-Crystal X-ray Investigation of 4-Azido-2-(triphenylphosphinimino)-3,5,6-trifluorobenzonitrile: A Chromogenic Nitrene Precursor for Photolabeling. *Inorganic Chemistry*, **1996**, 35, 3716-3718 5.1 6
- 60 Chemistry in Environmentally Benign Media. 3.1 Synthesis and Characterization of Rhenium(V) Complexes Derived from Novel Water-Soluble (Hydroxymethyl)phosphines. Crystal Structures of [Re(O)₂{(HOH₂C)2PC₆H₄P(CH₂OH)₂}₂]I and [Re(O)₂{(HOH₂C)2PCH₂CH₂P(CH₂OH)₂}₂]Cl. *Inorganic Chemistry*, **1996**, 35, 1753-1757 5.1 43
- 59 In vitro and in vivo characterization of a 99mTc complex with tris(hydroxymethyl)phosphine (THP). *Nuclear Medicine and Biology*, **1996**, 23, 617-22 2.1 28
- 58 New advances in the synthesis of a water-soluble triphosphine and the development of tripodally coordinated rhodium(I) and platinum(II) complexes. *Chemical Communications*, **1996**, 2557 5.8 12
- 57 Hydroxymethyl bis(phosphines) and their palladium(II) and platinum(II) complexes formed via biphasic reactions. Crystal structure of [Pd{(HOH₂C)2PC₆H₄P(CH₂OH)₂}₂]Cl₂. *Journal of the Chemical Society Dalton Transactions*, **1996**, 1301 27
- 56 Synthesis and characterization of dioxorhenium complexes derived from water-soluble diphosphine tetraphosphonates. *Journal of the Chemical Society Dalton Transactions*, **1996**, 4459 8
- 55 Synthesis and characterization of phosphinimine-substituted trifluoro- or trichloro-p-benzoquinones and their cationic Rh(I) complexes. The crystal and molecular structure of 3,5,6-trichloro-2-(triphenylphosphinimino)-p-benzoquinone. *Canadian Journal of Chemistry*, **1996**, 74, 2270-2285 0.9 2
- 54 Generation of Gd(OCOCF₃)₃.3H₂O from the Water Catalyzed Reaction of Gd Metal with CF₃COOH. X-Ray Crystal Structure of Gd(OCOCF₃)₃.3H₂O. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **1996**, 26, 349-355 2
- 53 New Directions in the Development of Water-Soluble Phosphines and Transition Metal Compounds. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996**, 111, 56-56 1
- 52 Transition Metal Chemistry of Main Group Hydrazides. 17. Triphosphine derived from phosphanyl hydrazide as a building block for hetero trimetallic compounds. Synthesis and coordination chemistry of ((Me₂P)2N?N(Me)(PMe₂)). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1995**, 621, 1939-1942 1.3 2
- 51 Synthesis and characterization of a neutral and lipophilic Ph₃PN^{99m}TcO₃ complex. *Applied Radiation and Isotopes*, **1995**, 46, 53-58 1.7 2
- 50 Transition Metal Chemistry of Main Group Hydrazides. Part 11. Synthesis and Coordination Chemistry of Novel Tetraphosphino Phosphorinanes. X-ray Crystal Structure of [W(CO)₄]₂·[PhPN(Me)N(P(OC₂H₅)₂)₂]₂]. *Inorganic Chemistry*, **1995**, 34, 1273-1277 5.1 4
- 49 Transition Metal Chemistry of Main Group Hydrazides. Part 16: (Phosphanyl)hydrazides R₂PN(Me)N(Me)PR₂ As a Novel Class of Chelating Bis(phosphines). Synthesis, Coordination Chemistry, and X-ray Structures of cis-[PdCl₂{(p-BrC₆H₄O)₂PN-(Me)N(Me)P(OC₆H₄Br-p)₂}] and cis-[W(CO)₄]{(PhO)₂PN(Me)N(Me)P(OPh)₂}. *Inorganic Chemistry*, **1995**, 34, 5183-5188 5.1 26

48	Coordination chemistry of phosphorus(III) and phosphorus(V) hydrazides. <i>Chemical Society Reviews</i> , 1995 , 24, 97	58.5	39
47	Transition metal chemistry of main group hydrazides, Part 14: Evaluation of new Tc-99m chelates of thiol functionalized phosphorus hydrazides. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 849-57	2.1	3
46	Phosphorus hydrazides as building blocks for potential photoaffinity labels. Synthesis and co-ordination chemistry of perfluoroaryl azide conjugates of phenylphosphonothioic dihydrazide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 565		11
45	Methyl hydrazine as a building block for a bridge between phosphinoamine [R ₂ PN(R)PR ₂] and phosphorus hydrazide [R ₂ PN(R)N(R)PR ₂]. Synthesis and coordination chemistry of a novel triphosphine [(Me ₂ P) ₂ NN(Me)(PMe ₂)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 247-248		
44	Chemistry in environmentally benign media Part 1. Synthesis and characterization of 1,2-bis[bis(hydroxymethyl)phosphino]ethane (H ₂ MPE) X-ray structure of [Pt{(HOH ₂ C) ₂ PCH ₂ CH ₂ P(CH ₂ OH) ₂ } ₂](Cl) ₂ . <i>Inorganica Chimica Acta</i> , 1995 , 240, 367-370	2.7	30
43	Applications of Functionalized Azaphosphanes as Novel Scavenging Agents for TcO ₄ ⁻ . <i>Radiochimica Acta</i> , 1994 , 66-67, 129-132	1.9	
42	Transition Metal Chemistry of Main Group Hydrazides, VI. New Directed Synthetic Strategies to Functionalized Heterocyclic Phosphorus(III) Hydrazides. First Examples of Crystal and Molecular Structures of [RPN(Me)N(H)] ₂ (R = Et, Ph, and tBu). <i>Chemische Berichte</i> , 1994 , 127, 979-984		6
41	Transition Metal Chemistry of Main Group Hydrazides, 9. Platinum Complexes of Diphosphanylhydrazides R ₂ PN(Me)N(Me)PR ₂ [PtCl ₂ (R = OPh, o-OC ₆ H ₄ CH ₂ CH ₂ CH ₂)]. <i>Chemische Berichte</i> , 1994 , 127, 1355-1357		21
40	Transition Metal Chemistry of Main Group Hydrazides. 5. Functionalization of Methylhydrazine With Alkyl/Alkoxy Groups and Aryl/Aryloxy-Substituted Phosphorus(V) Oxides and Sulfides. First Examples of Bidentate Interactions of R ₂ P(E)(NMeNH ₂) (R = OMe, OEt, OPh, Ph; E = S, O) with Pd(II). X-ray Structure of (MeO) ₂ P(S)NMeNH ₂ ·PdCl ₂ . <i>Inorganic Chemistry</i> , 1994 , 33, 1184-1187	5.1	17
39	Transition Metal Chemistry of Main Group Hydrazides. 7. Synthesis and Coordination Chemistry of Bis(dichlorophosphino)dimethylhydrazine. <i>Inorganic Chemistry</i> , 1994 , 33, 2695-2696	5.1	17
38	Transition metal chemistry of main group hydrazides. 4. Phosphorus hydrazido ferrocenes as novel synthons to new iron(II)-palladium(II) heterotrimetallic organometallic compounds. Synthesis and characterization of palladium(II) chloride complexes of ferrocene functionalized phosphorus hydrazides. Single-crystal x-ray structures of C ₂ H ₅ OP(S)(NCH ₃ NCHCp'FeCp) ₂ and A new ^{99m} Tc-complex with a germanium-hydrazide (GeTH) ligand. <i>Nuclear Medicine and Biology</i> , 1994 , 21, 1115-8	3.8	21
37			2.1
36	Transition Metal Chemistry of Main Group Hydrazides. 8. A new Long-Chain Diphosphine with the PIII-N-N-PV-N-N-PIII Backbond as a Chelating Ligand for Molybdenum, Platinum, and Palladium. Crystal and Molecular Structures of cis-[Mo(CO) ₄ (PhP(S)[N(Me)NHP(i-Pr) ₂] ₂)] and cis-[PtCl ₂ (PhP(S)[N(Me)NHP(i-Pr) ₂] ₂]]. <i>Organometallics</i> , 1994 , 13, 2391-2396	3.8	11
35	High yields of nitrene insertion into unactivated C-H bonds. First example of X-ray crystallographic and ¹⁹ F NMR analysis of the photochemically produced C-H inserted adduct. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1841-1842		16
34	Transition Metal Chemistry of Main Group Hydrazides. Part 3: Carboxylate Appended Phosphorus Hydrazides as Novel Functionalized Chelating Systems. Synthesis and Characterization of New Cyclometallaphosphohydrazides. X-ray Structure of a Palladium(II) Representative. <i>Inorganic Chemistry</i> , 1994 , 33, 736-741	5.1	14
33	Applications of Functionalized Azaphosphanes as Novel Scavenging Agents for TcO ₄ ⁻ . <i>Radiochimica Acta</i> , 1994 , 66-67, 129-132	1.9	4
32	Functionalized phosphine-phosphinimines as heteroatomic ligands. Synthesis, characterization, and representative x-ray structures of the phosphine-phosphinimines Ph ₂ PCH ₂ PPH ₂ :NAr [Ar = 5-F,2,4-(NO ₂) ₂ C ₆ H ₂ , 4-(CN)C ₆ F ₄] and structure of the rhodium(I) complex Cl(CO)RhP(Ph) ₂ CH ₂ PPH ₂ :NC ₆ F ₄ -4-CN. <i>Inorganic Chemistry</i> , 1993 , 32, 5919-5925	5.1	44
31	Heterobifunctional Phosphorus-Nitrogen Compounds: Iminophosphoranophosphines and Their Complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 76, 9-12	1	9

30	Organometallic Phosphinimines as Building Blocks for Potential New Radiopharmaceuticals. Synthesis, Structure and Reactivity of $\text{Ph}_3\text{P}=\text{NH}_2+\text{ReO}_4^-$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1993 , 48, 1381-1385	1	11
29	The Potential of Phosphinimines as Building Blocks for a New Generation of Radiopharmaceuticals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 75, 55-58	1	2
28	Transition-metal chemistry of main-group hydrazides. Part 2. A new oxime thiosemicarbazide framework as a novel S_N multifunctional tripodal ligand for palladium(II): synthetic and X-ray crystal structural investigations. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 2153		26
27	Heteroatomic chelation of mixed phosphine (or arsine) and phosphine oxide ligands with rhenium(V). Synthesis, characterization, and x-ray structural investigations of new rhenium(V) metallacyclic compounds: $(\text{O})\text{PPh}_2(\text{CH}_2)_n\text{EPH}_2\text{Re}(\text{O})\text{Cl}_3$ (E = P, As). <i>Inorganic Chemistry</i> , 1992 , 31, 4231-4235	5.1	20
26	Transition metal chemistry of main group hydrazides. 1. Synthesis and characterization of cyclometallaphosphohydrazides of cobalt(I), copper(I), and palladium(II). X-ray structures of cobalt(I) and palladium(II) representatives. <i>Inorganic Chemistry</i> , 1992 , 31, 4588-4593	5.1	26
25	Formation of spirocyclic imidophosphinato complexes: crystal structures of $[\text{V}(\text{OPPh}_2\text{NPPh}_2\text{O})_2\text{O}]$ and $[\text{Mo}(\text{NPPh}_2\text{NPPh}_2\text{O})_2\text{Cl}_2]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 1285		14
24	Rearrangement of a phosphorus-carbon-phosphorus bridge to a phosphorus-nitrogen-phosphorus bridge via organogermanium- or organotin-assisted cleavage of a phosphorus-carbon bond. Crystal and molecular structure of the imine salt $(\text{CH}_3)\text{Ph}_2\text{PNPPh}_2(\text{NH}_2)+\text{Cl}^-$. <i>Inorganic Chemistry</i> , 1991 , 30, 2631-2633	5.1	14
23	Application of phosphine and arsine-phosphoranimine backbones to the formation of early-late transition-metal bimetallics. Synthesis and characterization of new titanium-palladium frameworks: $[\text{cyclic}]-(\eta^5\text{-C}_5\text{H}_5)\text{Cl}_2\text{TiN}:\text{PPh}_2(\text{CH}_2)_x\text{EPH}_2\text{PdCl}_2$ (x = 1, E = P; x = 2, E = As). <i>Organometallics</i> , 1991 , 10, 538-544	3.8	24
22	Cyclometallaphosphiniminatopxosphane (and Arsane) Complexes of Early and Late Transition Metals Derived from Novel Heterodifunctional Phosphorus and Arsenic Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990 , 49-50, 467-470	1	0
21	Methylene Bridged P(III) and P(V) Phosphinimino-Phosphanes: Versatile Ligands And Substituents for Metals and Metalloids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990 , 51, 357-357	1	
20	Unexpected nitrogen-oxygen exchange reactions in cyclic metallaphosphazenes; synthesis and X-ray crystal structures of $[\text{Mo}(\text{OPPh}_2\text{NHPPh}_2\text{O})_2\text{O}_2\text{Cl}_2]$, $[\text{Mo}(\text{OPPh}_2\text{NPPh}_2\text{O})_2(\text{O})\text{Cl}]$, and $[\text{Mo}(\text{OPPh}_2\text{NPPh}_2\text{O})_2\text{O}_2]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 2387-2392		13
19	Phosphoranimine phosphines and arsines as heterodifunctional coordinating ligands. Synthesis and characterization of new palladium(II) metallacycles $\text{RN}=\text{PPh}_2(\text{CH}_2)_n\text{EPH}_2\text{PdCl}_2$ (R = SiMe_3 , GeMe_3 , H; n = 1, 2; E = P, As) and the crystal and molecular structure of $\text{HN}=\text{PPh}_2\text{CH}_2\text{PPh}_2\text{PdCl}_2$, the first phosphoranimine phosphine. <i>Inorganic Chemistry</i> , 1989 , 28, 3023-3024	5.1	36
18	First examples of an isomeric methylene-bridged free phosphinomethylphosphoranimine and a metalated phosphinomethylphosphoranimine. Synthesis, characterization, and isomerization of the heterodifunctional ligand $\text{Me}_3\text{SiN}:\text{P}(\text{Ph})_2\text{CH}_2\text{PPh}_2$ and the transmetalation to the titanium derivative $(\eta^5\text{-C}_5\text{H}_5)\text{Ti}(\text{Cl})_2\text{N}:\text{P}(\text{Ph})_2\text{CH}_2\text{PPh}_2$. <i>Inorganic Chemistry</i> , 1989 , 28, 413-416	5.1	40
17	Synthesis of new metallacycles of rhenium(VII) oxides: migration of trimethylsilyl group to form the cis-dioxo cyclometallaphosphoranimino phosphane $\text{NPPh}_2\text{CH}_2\text{PPh}_2\text{Re}(\text{O})_2(\text{OSiMe}_3)_2$ and arsane $\text{NPPh}_2(\text{CH}_2)_2\text{AsPh}_2\text{Re}(\text{O})_2(\text{OSiMe}_3)_2$. <i>Inorganic Chemistry</i> , 1989 , 28, 3033-3036	5.1	22
16	New Inorganic and Organometallic Heterocyclic Compounds Derived From Novel Heterodifunctional Phosphorus-Nitrogen Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1989 , 41, 43-50	1	1
15	New approaches to heteroatomic chelation of early and late transition metals. Synthesis and characterization of cyclometallaphosphoranimine- and cyclometallaphosphoraniminatophosphanes (and arsanes) of Mo(O), W(O), Rh(I), and Ir(I) derived from novel heterodifunctional phosphorus-nitrogen ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989 , 2117-2120	3.8	41
14	Two novel rhodium(I) metallacycles from the new heterodifunctional ligand $\text{Me}_3\text{SiN}:\text{PPh}_2\text{CH}_2\text{PPh}_2$. An example of the formation of a unique iminato nitrogen-rhodium sigma bond. <i>Organometallics</i> , 1988 , 7, 2236-2238	3.8	25
13	Cyclometallaphosphazenes - Synthetic and Structural Investigation of a New Class of Heterocyclic Compounds. <i>Phosphorus and Sulfur and the Related Elements</i> , 1987 , 30, 421-423		7

12	A new class of inorganic heterocycles from insertion of transition metals into the cyclophosphazene skeleton - synthesis and characterization of six-membered rings with vanadium, tungsten, and rhenium in high oxidation states. <i>Inorganic Chemistry</i> , 1987 , 26, 4032-4035	5.1	27
11	Synthesis and characterization of new heterocyclic compounds of tungsten, selenium, and tellurium. <i>Inorganic Chemistry</i> , 1987 , 26, 814-816	5.1	41
10	New heterocyclic compounds containing niobium and molybdenum; crystal structure of a cyclomolybdophosphazene. <i>Journal of the Chemical Society Dalton Transactions</i> , 1987 , 847		23
9	Synthese und Struktur des ersten Cyclophosphazens mit einer Metall-Metall-Bindung im Ringgerüst / Synthesis and Structure of the First Cyclophosphazene Containing a Metal-Metal Bond within the Ring Skeleton. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1987 , 42, 1387-1390	1	5
8	A Transition Metal Atom as Building Block of a Cyclic Phosphazene - Synthesis and Structure of [Cl ₃ WN ₃ (PPh ₂) ₂]. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 477-478		39
7	Ein Bergangsmetallatom als Baustein eines cyclischen Phosphazens - Synthese und Struktur von [Cl ₃ WN ₃ (PPh ₂) ₂]. <i>Angewandte Chemie</i> , 1986 , 98, 447-448	3.6	35
6	STUDIES OF PHOSPHAZENES PART XXVI: BI(CYCLOPHOSPHAZENES) CONTAINING A P-O-P BRIDGE. <i>Phosphorous and Sulfur and the Related Elements</i> , 1985 , 25, 167-171		0
5	Studies of phosphazenes. Part 21. Associative and dissociative pathways in the aminolysis reactions of halogenocyclotriphosphazenes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1985 , 285		17
4	Studies of phosphazenes. XIX. New polyorganophosphazenes derived from the Friedel-Crafts reactions of hexa(aryloxy)cyclotriphosphazenes with polyhaloalkanes. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984 , 22, 3115-3128		1
3	KINETICS OF THE AMINOLYSIS REACTIONS OF CHLOROCYCLOTRIPHOSPHAZENES - CHANGEOVER FROM A SN ₂ (P) TO A SN ₁ (P) MECHANISM. <i>Phosphorous and Sulfur and the Related Elements</i> , 1983 , 14, 157-159		3
2	Friedel-Crafts reaction of (aryloxy)cyclotriphosphazenes with halomethanes: Formation of new crosslinked polymers. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1982 , 20, 647-651		1
1	Targeted Gold Nanoparticles for Imaging and Therapy 173-189		1