# D C Bazin

List of Publications by Year
in descending order

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| 150 | 6,047 | 76326 | 88630 |
|---|---|---|---|
| papers | citations | 40 | 70 |
| | | h-index | g-index |

| 159 | 159 | 159 | 5097 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Whitlockite structures in kidney stones indicate infectious origin: a scanning electron microscopy and Synchrotron Radiation investigation. Comptes Rendus Chimie, 2022, 25, 343-354. | 0.5 | 15 |
| 2 | Opportunities given by density functional theory in pathological calcifications. Comptes Rendus Chimie, 2022, 25, 209-218. | 0.5 | 7 |
| 3 | Using micro computed tomographic imaging for analyzing kidney stones. Comptes Rendus Chimie, 2022, 25, 61-72. | 0.5 | 14 |
| 4 | Crystal size in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î¼</mml:mi></mml:math>crystalline pathologies and its clinical implication. Comptes Rendus Chimie, 2022, 25, 133-147. | 0.5 | 10 |
| 5 | Cystinuria and cystinosis are usually related to L-cystine: is this really the case for cystinosis? AÂphysicochemical investigation at micrometre and nanometre scale. Comptes Rendus Chimie, 2022, 25, 489-502. | 0.5 | 10 |
| 6 | Photothermal AFM-IR spectroscopy and imaging: Status, challenges, and trends. Journal of Applied Physics, 2022, 131, . | 2.5 | 65 |
| 7 | Vitamin D and Calcium Supplementation Accelerate Vascular Calcification in a Model of Pseudoxanthoma Elasticum. International Journal of Molecular Sciences, 2022, 23, 2302. | 4.1 | 5 |
| 8 | Pathologies related to abnormal deposits in dermatology: a physico-chemical approach. Comptes Rendus Chimie, 2022, 25, 445-476. | 0.5 | 10 |
| 9 | Calcium Pyrophosphate Dihydrate Crystal Deposition in Gouty Tophi. Arthritis and Rheumatology, 2021, 73, 324-329. | 5.6 | 9 |
| 10 | La cystinurie et ses traitementsÂ: une approche physiopathologique. ProgrÃ¨s En Urologie - FMC, 2021, 31, F1-F7. | 0.1 | 4 |
| 11 | Advances in the identification of calcium carbonate urinary crystals. Clinica Chimica Acta, 2021, 515, 1-4. | 1.1 | 12 |
| 12 | Morbidity and long-term results of subcutaneous pyelovesical bypass in chronic ureteral obstruction. Progres En Urologie, 2021, 31, 348-356. | 0.8 | 6 |
| 13 | In Search of an Efficient Complexing Agent for Oxalates and Phosphates: A Quantum Chemical Study. Nanomaterials, 2021, 11, 1763. | 4.1 | 8 |
| 14 | Nanoscale Analysis of Randallâ€™s Plaques by Electron Energy Loss Spectromicroscopy: Insight in Early Biomineral Formation in Human Kidney. ACS Nano, 2020, 14, 1823-1836. | 14.6 | 39 |
| 15 | Nanometric Chemical Speciation of Abnormal Deposits in Kidney Biopsy: Infrared-Nanospectroscopy Reveals Heterogeneities within Vancomycin Casts. Analytical Chemistry, 2020, 92, 7388-7392. | 6.5 | 18 |
| 16 | One Step Further in the Elucidation of the Crystallographic Structure of Whitlockite. Crystal Growth and Design, 2020, 20, 2553-2561. | 3.0 | 18 |
| 17 | 1-Methyluric Acid Nephropathy. Kidney International Reports, 2020, 5, 737-741. | 0.8 | 9 |
| 18 | The Case \| Fluctuating serum creatinine and crystals in urine. Kidney International, 2020, 97, 1307-1308. | 5.2 | 1 |

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| 19 | New techniques on uropaleopathology. Urolithiasis, 2019, 47, 487-488. | 2.0 | 5 |
| 20 | Predicting the Activity of Nano-Transition-Metal DeNox Catalysts. Journal of Physical Chemistry C, 2019, 123, 20314-20318. | 3.1 | 11 |
| 21 | Localization and characterization of thyroid microcalcifications: A histopathological study. PLoS ONE, 2019, 14, e0224138. | 2.5 | 19 |
| 22 | Vitamin D and Calcium Supplementation Accelerates Randall's Plaque Formation in a Murine Model. American Journal of Pathology, 2019, 189, 2171-2180. | 3.8 | 24 |
| 23 | Daily Green Tea Infusions in Hypercalciuric Renal Stone Patients: No Evidence for Increased Stone Risk Factors or Oxalate-Dependent Stones. Nutrients, 2019, 11, 256. | 4.1 | 15 |
| 24 | Localization, Morphologic Features, and Chemical Composition of Calciphylaxis-Related Skin Deposits in Patients With Calcific Uremic Arteriolopathy. JAMA Dermatology, 2019, 155, 789. | 4.1 | 31 |
| 25 | Acceleration of plasma in current sheet during substorm dipolarizations in the Earth's magnetotail: Comparison of different mechanisms. Physics of Plasmas, 2019, 26, 042901. | 1.9 | 6 |
| 26 | Fragments and dust after Holmium laser lithotripsy with or without â€œMoses technologyâ€: How are they different?. Journal of Biophotonics, 2019, 12, e201800227. | 2.3 | 42 |
| 27 | Delayed ileal perforation from sodium polystyreneÂsulfonate. Kidney International, 2018, 93, 1251-1252. | 5.2 | 8 |
| 28 | Recurrence rates of urinary calculi according to stone composition and morphology. Urolithiasis, 2018, 46, 459-470. | 2.0 | 68 |
| 29 | Drug-Induced Kidney Stones and Crystalline Nephropathy: Pathophysiology, Prevention and Treatment. Drugs, 2018, 78, 163-201. | 10.9 | 110 |
| 30 | High frequency and wide range of human kidney papillary crystalline plugs. Urolithiasis, 2018, 46, 333-341. | 2.0 | 8 |
| 31 | On the way of understanding the behavior of nanometer-scale metallic particles toward the adsorption of CO and NO molecules. Comptes Rendus Chimie, 2018, 21, 174-181. | 0.5 | 10 |
| 32 | Urothelium proliferation is a trigger for renal crystal deposits in a murine lithogenesis model. Scientific Reports, 2018, 8, 16319. | 3.3 | 8 |
| 33 | Twoâ€photon optical imaging, spectral and fluorescence lifetime analysis to discriminate urothelial carcinoma grades. Journal of Biophotonics, 2018, 11, e201800065. | 2.3 | 17 |
| 34 | ABCC6 Deficiency Promotes Development of Randall Plaque. Journal of the American Society of Nephrology: JASN, 2018, 29, 2337-2347. | 6.1 | 46 |
| 35 | Vibrational Signatures of Calcium Oxalate Polyhydrates. ChemistrySelect, 2018, 3, 8801-8812. | 1.5 | 27 |
| 36 | Vancomycin-Associated Cast Nephropathy. Journal of the American Society of Nephrology: JASN, 2017, 28, 1723-1728. | 6.1 | 112 |

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| 37 | Free DNA precipitates calcium phosphate apatite crystals in the arterial wall inÂvivo. Atherosclerosis, 2017, 259, 60-67. | 0.8 | 40 |
| 38 | Flyscan opportunities in medicine: the case of quantum rattle based on gold quantum dots. Journal of Synchrotron Radiation, 2017, 24, 991-999. | 2.4 | 12 |
| 39 | Claudin-16 Deficiency Impairs Tight Junction Function in Ameloblasts, Leading to Abnormal Enamel Formation. Journal of Bone and Mineral Research, 2016, 31, 498-513. | 2.8 | 50 |
| 40 | Structural elucidation of silica present in kidney stones coming from Burkina Faso. Comptes Rendus Chimie, 2016, 19, 1573-1579. | 0.5 | 12 |
| 41 | How to assess the role of Pt and Zn in the nephrotoxicity of Pt anti-cancer drugs?: An investigation combining Î¼XRF and statistical analysis. Part II: Clinical application. Comptes Rendus Chimie, 2016, 19, 1586-1589. | 0.5 | 13 |
| 42 | Detection of silica and calcium carbonate deposits in granulomatous areas of skin sarcoidosis by Î¼Fourier transform infrared spectroscopy and Field Emission Scanning Electron Microscopy coupled with Energy Dispersive X-ray Spectroscopy analysis. Comptes Rendus Chimie, 2016, 19, 1631-1641. | 0.5 | 16 |
| 43 | Nephrotoxicity induced by drugs: The case of foscarnet and atazanavirâ€"A SEM and Î¼FTIR investigation. Comptes Rendus Chimie, 2016, 19, 1565-1572. | 0.5 | 15 |
| 44 | Hyperoxaluria is related to whewellite and hypercalciuria to weddellite: What happens when crystalline conversion occurs?. Comptes Rendus Chimie, 2016, 19, 1492-1503. | 0.5 | 38 |
| 45 | Shedding light on the morphology of calcium oxalate monohydrate crystallites present in kidney biopsies in the case of hyperoxaluria. Comptes Rendus Chimie, 2016, 19, 1548-1557. | 0.5 | 8 |
| 46 | Respective influence of calcium and oxalate urine concentration on the formation of calcium oxalate monohydrate or dihydrate crystals. Comptes Rendus Chimie, 2016, 19, 1504-1513. | 0.5 | 48 |
| 47 | Rapid and reliable diagnosis of Wilson disease using Xâ€ray fluorescence. Journal of Pathology: Clinical Research, 2016, 2, 175-186. | 3.0 | 18 |
| 48 | Crystalluria analysis improves significantly etiologic diagnosis and therapeutic monitoring of nephrolithiasis. Comptes Rendus Chimie, 2016, 19, 1514-1526. | 0.5 | 27 |
| 49 | Calcium and vitamin D have a synergistic role in a rat model of kidney stone disease. Kidney International, 2016, 90, 809-817. | 5.2 | 30 |
| 50 | Vibrational spectroscopies to investigate concretions and ectopic calcifications for medical diagnosis. Comptes Rendus Chimie, 2016, 19, 1416-1423. | 0.5 | 32 |
| 51 | Comprehensive morpho-constitutional analysis of urinary stones improves etiological diagnosis and therapeutic strategy of nephrolithiasis. Comptes Rendus Chimie, 2016, 19, 1470-1491. | 0.5 | 89 |
| 52 | Duration of JJ stent in situ is critical: An ultrastructural and mechanical investigation. Comptes Rendus Chimie, 2016, 19, 1597-1604. | 0.5 | 8 |
| 53 | Combination of X-ray synchrotron radiation techniques to gather information for clinicians. Comptes Rendus Chimie, 2016, 19, 1424-1431. | 0.5 | 18 |
| 54 | Topography, Composition and Structure of Incipient Randall Plaque at the Nanoscale Level. Journal of Urology, 2016, 196, 1566-1574. | 0.4 | 43 |

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| 55 | How to assess the role of Pt and Zn in the nephrotoxicity of Pt anti-cancer drugs? An investigation combining Î¼XRF and statistical analysis: Part I: On mice. Comptes Rendus Chimie, 2016, 19, 1580-1585. | 0.5 | 14 |
| 56 | Underlining the complexity of the structural and chemical characteristics of ectopic calcifications in breast tissues through FE-SEM and Î¼FTIR spectroscopy. Comptes Rendus Chimie, 2016, 19, 1610-1624. | 0.5 | 30 |
| 57 | First investigation on microcrystalline pathologies of kidney allografts through cellular scale physicochemical techniques. Comptes Rendus Chimie, 2016, 19, 1542-1547. | 0.5 | 7 |
| 58 | Biomineralization versus microcrystalline pathologies: Beauty and the beast. Comptes Rendus Chimie, 2016, 19, 1395-1403. | 0.5 | 8 |
| 59 | Urolithiasis: What can we learn from a Nature which dysfunctions?. Comptes Rendus Chimie, 2016, 19, 1558-1564. | 0.5 | 2 |
| 60 | New insights into the presence of sodium hydrogen urate monohydrate in Randall's plaque. Comptes Rendus Chimie, 2016, 19, 1461-1469. | 0.5 | 8 |
| 61 | Chemical diversity of calcifications in thyroid and hypothetical link to disease. Comptes Rendus Chimie, 2016, 19, 1672-1678. | 0.5 | 22 |
| 62 | Randallâ€™s plaque and kidney stones: Recent advances and future challenges. Comptes Rendus Chimie, 2016, 19, 1456-1460. | 0.5 | 22 |
| 63 | In-lab X-ray fluorescence and diffraction techniques for pathological calcifications. Comptes Rendus Chimie, 2016, 19, 1404-1415. | 0.5 | 22 |
| 64 | Investigation at the micrometer scale of pancreatic calcifications in chronic pancreatitis by Î¼FTIR spectroscopy and field emission scanning electron microscopy. Comptes Rendus Chimie, 2016, 19, 1642-1655. | 0.5 | 11 |
| 65 | Analysis of hydroxyapatite crystallites in subchondral bone by Fourier transform infrared spectroscopy and powder neutron diffraction methods. Comptes Rendus Chimie, 2016, 19, 1625-1630. | 0.5 | 22 |
| 66 | Calcium oxalate precipitation by diffusion using laminar microfluidics: toward a biomimetic model of pathological microcalcifications. Lab on A Chip, 2016, 16, 1157-1160. | 6.0 | 40 |
| 67 | Neutron diffraction as a probe for the characterization of biological entities. Comptes Rendus Chimie, 2016, 19, 1432-1438. | 0.5 | 9 |
| 68 | Ab initio structure determination of kidney stone potassium quadriurate from synchrotron powder diffraction data, a 150 year problem solved. Comptes Rendus Chimie, 2016, 19, 1535-1541. | 0.5 | 10 |
| 69 | Type 2 diabetes and uric acid stones: A powder neutron diffraction investigation. Comptes Rendus Chimie, 2016, 19, 1527-1534. | 0.5 | 13 |
| 70 | Solid state NMR of salivary calculi: Proline-rich salivary proteins, citrate, polysaccharides, lipids, and organicâ€“mineral interactions. Comptes Rendus Chimie, 2016, 19, 1665-1671. | 0.5 | 9 |
| 71 | Combining field effect scanning electron microscopy, deep UV fluorescence, Raman, classical and synchrotron radiation Fourier transform Infra-Red Spectroscopy in the study of crystal-containing kidney biopsies. Comptes Rendus Chimie, 2016, 19, 1439-1450. | 0.5 | 23 |
| 72 | Reply. Urology, 2015, 86, 1096. | 1.0 | 0 |

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| 73 | Characterisation of Calcium Phosphate Crystals on Calcified Human Aortic Vascular Smooth Muscle Cells and Potential Role of Magnesium. PLoS ONE, 2015, 10, e0115342. | 2.5 | 64 |
| 74 | Some advances in the field of physico-chemical characterization of pathological microcrystals. Annales De Biologie Clinique, 2015, 73, 517-534. | 0.1 | 38 |
| 75 | Calcium Phosphate Stone Morphology Can Reliably Predict Distal Renal Tubular Acidosis. Journal of Urology, 2015, 193, 1564-1569. | 0.4 | 52 |
| 76 | Randallâ€™s plaque as the origin of calcium oxalate kidney stones. Urolithiasis, 2015, 43, 5-11. | 2.0 | 82 |
| 77 | High Prevalence of Opaline Silica in Urinary Stones From Burkina Faso. Urology, 2015, 86, 1090-1096. | 1.0 | 12 |
| 78 | Operando characterization and DFT modelling of nanospinels: Some examples showing the relationship with catalytic activity. Applied Catalysis A: General, 2015, 504, 631-641. | 4.3 | 11 |
| 79 | An Animal Model of Type A Cystinuria Due to Spontaneous Mutation in 129S2/SvPasCrl Mice. PLoS ONE, 2014, 9, e102700. | 2.5 | 28 |
| 80 | Therapy modifies cystine kidney stones at the macroscopic scale. Do such alterations exist at the mesoscopic and nanometre scale?. Journal of Applied Crystallography, 2014, 47, 719-725. | 4.5 | 29 |
| 81 | FranÃ§ois Garin: Pioneer work in catalysis through synchrotron radiation. Comptes Rendus Chimie, 2014, 17, 615-624. | 0.5 | 8 |
| 82 | The status of strontium in biological apatites: anÂXANES/EXAFS investigation. Journal of Synchrotron Radiation, 2014, 21, 136-142. | 2.4 | 43 |
| 83 | Reactivity and catalysis by nanoalloys. , 2013, , 283-344. | | 1 |
| 84 | Whewellite, CaC2O4â‹…H2O: structural study by a combined NMR, crystallography and modelling approach. CrystEngComm, 2013, 15, 8840. | 2.6 | 40 |
| 85 | Combining Î¼X-ray fluorescence, Î¼XANES and Î¼XRD to shed light on Zn2+ cations in cartilage and meniscus calcifications. Journal of Trace Elements in Medicine and Biology, 2013, 27, 326-333. | 3.0 | 34 |
| 86 | When the Synchrotron radiations highlight the Randall's plaques and kidney concretions. Journal of Physics: Conference Series, 2013, 425, 022006. | 0.4 | 23 |
| 87 | Urate-induced acute renal failure and chronic inflammation in liver-specific Glut9 knockout mice. American Journal of Physiology - Renal Physiology, 2013, 305, F786-F795. | 2.7 | 34 |
| 88 | A new compound in kidney stones? Powder X-ray diffraction study of calcium glycinate trihydrate. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 734-737. | 0.4 | 12 |
| 89 | Revisiting spatial distribution and biochemical composition of calcium-containing crystals in human osteoarthritic articular cartilage. Arthritis Research and Therapy, 2013, 15, R103. | 3.5 | 49 |
| 90 | Pathogenic Role of Basic Calcium Phosphate Crystals in Destructive Arthropathies. PLoS ONE, 2013, 8, e57352. | 2.5 | 92 |

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| 91 | Cystinurie. ProgrÃ¨s En Urologie - FMC, 2012, 22, F119-F123. | 0.1 | 9 |
| 92 | Absence of Bacterial Imprints on Struvite-containing Kidney Stones: A Structural Investigation at the Mesoscopic and Atomic Scale. Urology, 2012, 79, 786-790. | 1.0 | 69 |
| 93 | Pathological calcifications and selected examples at the medicineâ€“solid-state physics interface. Journal Physics D: Applied Physics, 2012, 45, 383001. | 2.8 | 54 |
| 94 | Characterization and Some Physicochemical Aspects of Pathological Microcalcifications. Chemical Reviews, 2012, 112, 5092-5120. | 47.7 | 162 |
| 95 | Prostatic Stones: Evidence of a Specific Chemistry Related to Infection and Presence of Bacterial Imprints. PLoS ONE, 2012, 7, e51691. | 2.5 | 60 |
| 96 | Comment on â€œOperando DRIFTS and XANES Study of Deactivating Effect of CO<sub>2</sub> on a Ce<sub>0.8</sub>Cu<sub>0.2</sub>O<sub>2</sub> CO-PROX Catalystâ€• Journal of Physical Chemistry C, 2011, 115, 23233-23236. | 3.1 | 18 |
| 97 | Shedding Light on the Chemical Diversity of Ectopic Calcifications in Kidney Tissues: Diagnostic and Research Aspects. PLoS ONE, 2011, 6, e28007. | 2.5 | 53 |
| 98 | High Zn content of Randall's plaque: A Î¼-X-ray fluorescence investigation. Journal of Trace Elements in Medicine and Biology, 2011, 25, 160-165. | 3.0 | 60 |
| 99 | Calcifications in human osteoarthritic articular cartilage:ex vivoassessment of calcium compounds using XANES spectroscopy. Journal of Synchrotron Radiation, 2011, 18, 475-480. | 2.4 | 40 |
| 100 | The status of strontium in biological apatites: anÂXANES investigation. Journal of Synchrotron Radiation, 2011, 18, 912-918. | 2.4 | 34 |
| 101 | Articular cartilage calcification in osteoarthritis: Insights into crystalâ€induced stress. Arthritis and Rheumatism, 2011, 63, 10-18. | 6.7 | 134 |
| 102 | Composition and morphology of phosphate stones and their relation with etiology. Urological Research, 2010, 38, 459-467. | 1.5 | 100 |
| 103 | Osteoarthritis, a basic calcium phosphate crystalâ€“associated arthropathy? Comment on the article by Fuerst et al. Arthritis and Rheumatism, 2010, 62, 2829-2830. | 6.7 | 13 |
| 104 | The pathogenesis of Randall's plaque: a papilla cartography of Ca compounds through anex vivoinvestigation based on XANES spectroscopy. Journal of Synchrotron Radiation, 2010, 17, 374-379. | 2.4 | 44 |
| 105 | Randallâ€™s Plaques. , 2010, , 103-112. | | 4 |
| 106 | Microstructure of Supported Cobalt Fischer-Tropsch Catalysts. Oil and Gas Science and Technology, 2009, 64, 49-62. | 1.4 | 137 |
| 107 | Stones in Primary Hyperoxaluria â€” A Clarification. New England Journal of Medicine, 2009, 360, 1680-1680. | 27.0 | 59 |
| 108 | Diffraction techniques and vibrational spectroscopy opportunities to characterise bones. Osteoporosis International, 2009, 20, 1065-1075. | 3.1 | 78 |

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| 109 | Racemic calcium tartrate tetrahydrate [form (II)] in rat urinary stones. Acta Crystallographica Section B: Structural Science, 2009, 65, 350-354. | 1.8 | 21 |
| 110 | Examination of whewellite kidney stones by scanning electron microscopy and powder neutron diffraction techniques. Journal of Applied Crystallography, 2009, 42, 109-115. | 4.5 | 93 |
| 111 | Revisiting the localisation of Zn2+ cations sorbed on pathological apatite calcifications made through X-ray absorption spectroscopy. Biochimie, 2009, 91, 1294-1300. | 2.6 | 57 |
| 112 | Relationships Between Carbonation Rate of Carbapatite and Morphologic Characteristics of Calcium Phosphate Stones and Etiology. Urology, 2009, 73, 968-975. | 1.0 | 114 |
| 113 | Very first tests on SOLEIL regarding the Zn environment in pathological calcifications made of apatite determined by X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2008, 15, 506-509. | 2.4 | 37 |
| 114 | STUDY OF THE ORGANIZATION AND GENESIS OF RANDALL'S PLAQUES BY PHYSICAL TECHNIQUES OF CHARACTERIZATION. Journal of Urology, 2008, 179, 506-506. | 0.4 | 0 |
| 115 | Peculiar Morphology of Stones in Primary Hyperoxaluria. New England Journal of Medicine, 2008, 359, 100-102. | 27.0 | 117 |
| 116 | Stone Morphology: Implication for Pathogenesis. AIP Conference Proceedings, 2008, , . | 0.4 | 35 |
| 117 | Heavy elements in urinary stones. Urological Research, 2007, 35, 179-184. | 1.5 | 107 |
| 118 | Combining Solid State Physics Concepts and X-Ray Absorption Spectroscopy to Understand DeNOx Catalysis. Oil and Gas Science and Technology, 2006, 61, 677-689. | 1.4 | 3 |
| 119 | Nanocasting, templated syntheses and structural studies of manganese oxide nanoparticles nucleated in the pores of ordered mesoporous silicas (SBA-15). Comptes Rendus Chimie, 2005, 8, 663-677. | 0.5 | 26 |
| 120 | Crystallization of Î²-MnO2 Nanowires in the Pores of SBA-15 Silicas:â€‰ In Situ Investigation Using Synchrotron Radiation. Chemistry of Materials, 2004, 16, 1813-1821. | 6.7 | 192 |
| 121 | Solid State Physics and Synchrotron Radiation Techniques to Understand Heterogeneous Catalysis. Nanostructure Science and Technology, 2004, , 427-445. | 0.1 | 1 |
| 122 | Interaction Between Pt(acac)2 and Alumina Surfaces Studied by XAS. Catalysis Letters, 2003, 85, 25-31. | 2.6 | 18 |
| 123 | Title is missing!. Catalysis Letters, 2003, 87, 85-90. | 2.6 | 15 |
| 124 | AuPd bimetallic nanoparticles on TiO2: XRD, TEM, in situ EXAFS studies and catalytic activity in CO oxidation. Journal of Molecular Catalysis A, 2003, 204-205, 545-552. | 4.8 | 96 |
| 125 | Ru-Co/NaY bimetallic catalysts: in situ EXAFS study at Co K- and Ru K-absorption edges. Applied Catalysis A: General, 2003, 242, 179-186. | 4.3 | 22 |
| 126 | Limits and Advantages of X-ray Absorption Near Edge Structure for Nanometer Scale Metallic Clusters. Journal of Physical Chemistry B, 2003, 107, 12398-12402. | 2.6 | 110 |

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| 127 | X-Ray Absorption Spectroscopy and Anomalous Wide Angle X-Ray Scattering: Two Basic Tools in the Analysis of Heterogeneous Catalysts. Oil and Gas Science and Technology, 2003, 58, 667-683. | 1.4 | 26 |
| 128 | Anomalous wide angle X-ray scattering (AWAXS) and heterogeneous catalysts. Applied Catalysis A: General, 2002, 226, 87-113. | 4.3 | 46 |
| 129 | Characterization of an Al-, Ga-based catalyst by Ga NMR and XAS. Solid State Nuclear Magnetic Resonance, 2000, 16, 103-108. | 2.3 | 11 |
| 130 | New trends in heterogeneous catalysis processes on metallic clusters from synchrotron radiation and theoretical studies. Applied Surface Science, 2000, 164, 140-146. | 6.1 | 18 |
| 131 | Genesis of Co/SiO2 Catalysts: XAS Study at the Cobalt LIII,II Absorption Edges. Journal of Catalysis, 2000, 189, 456-462. | 6.2 | 60 |
| 132 | Structural Characterization of Supported Platinum Carbonyl Clusters by X-ray Absorption Spectroscopy. Journal of Physical Chemistry B, 2000, 104, 7050-7056. | 2.6 | 14 |
| 133 | Structure and selectivity of metal catalysts: revisiting bimetallic zeolite systems. Applied Catalysis A: General, 1999, 188, 163-174. | 4.3 | 66 |
| 134 | Evolution of sulfur during pyrolysis of petroleum kerogens. Journal of Synchrotron Radiation, 1999, 6, 661-663. | 2.4 | 5 |
| 135 | XAS of electronic state correlations during the reduction of the bimetallic PtRe/Al2O3system. Journal of Synchrotron Radiation, 1999, 6, 465-467. | 2.4 | 7 |
| 136 | Following the reduction under H2of supported cobalt catalysts through theLabsorption edges. Journal of Synchrotron Radiation, 1999, 6, 430-432. | 2.4 | 7 |
| 137 | Investigation of Dispersion and Localization of Platinum Species in Mazzite Using EXAFS. Journal of Physical Chemistry B, 1997, 101, 766-770. | 2.6 | 15 |
| 138 | Comparison between X-ray Absorption Spectroscopy, Anomalous Wide Angle X-ray Scattering, Anomalous Small Angle X-ray Scattering, and Diffraction Anomalous Fine Structure Techniques Applied to Nanometer-Scale Metallic Clusters. Journal of Physical Chemistry B, 1997, 101, 11040-11050. | 2.6 | 124 |
| 139 | Reducibility of Cobalt Species in Silica-Supported Fischerâ€“Tropsch Catalysts. Journal of Catalysis, 1997, 168, 16-25. | 6.2 | 310 |
| 140 | In situ study by XAS of the sulfidation of industrial catalysts: the Pt and PTReAl2O3 systems. Applied Catalysis A: General, 1997, 162, 171-180. | 4.3 | 23 |
| 141 | A Reexamination of Hydrotalcite Crystal Chemistry. The Journal of Physical Chemistry, 1996, 100, 8527-8534. | 2.9 | 396 |
| 142 | Hydrotalcite Decomposition Mechanism:Â A Clue to the Structure and Reactivity of Spinel-like Mixed Oxides. The Journal of Physical Chemistry, 1996, 100, 8535-8542. | 2.9 | 233 |
| 143 | In situ study by XAS of the sulfuration of the Pt and PtRe/Al2O3 systems. Physica B: Condensed Matter, 1995, 208-209, 677-678. | 2.7 | 5 |
| 144 | Comparison between XAS, AWAXS and DAFS Applied to Nanometer Scale Supported Metallic Clusters: Part II Bimetallic Clusters. Japanese Journal of Applied Physics, 1993, 32, 252. | 1.5 | 16 |

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| 145 | In situ high temperature and high pressure exafs studie of Pt/Al2O3 catalysts. Part I: Reduction and deactivation. Catalysis Letters, 1991, 8, 283-295. | 2.6 | 27 |
| 146 | In situ high temperature and high pressure exafs studies of Pt/Al2O3 Catalysts. Part II: Carbon removal. Catalysis Letters, 1991, 8, 297-304. | 2.6 | 13 |
| 147 | Bimetallic reforming catalysts: EXAFS investigation of the particle-growing process during the reduction step. Journal of Catalysis, 1990, 123, 86-97. | 6.2 | 34 |
| 148 | Bimetallic catalysts: Oxidation as a function of the platinum to second metal ratios and the chlorine content. Physica B: Condensed Matter, 1989, 158, 154-155. | 2.7 | 3 |
| 149 | Heterogeneous catalysts : Evidences for intergrowth relationships between the particle and the carrier. Physica B: Condensed Matter, 1989, 158, 156-157. | 2.7 | 1 |
| 150 | Physicochemistry in medicine: some selected examples. Journal of Spectral Imaging, 0, , . | 0.0 | 3 |