

京都大学低温物質科学研究センター 寒剤・共同利用機器利用者の業績リスト発行にあたって

本センターは、学内共同教育研究施設として2002年に発足しました。以来、12年間にわたり研究部門による研究教育活動と並行して、全学への寒剤の供給と低温物質科学の研究推進に向けた共同利用機器の提供などの研究支援活動を行ってまいりました。これら研究支援活動の一環として、学内の異分野研究グループ間の交流を推進し、毎年センター講演会・研究交流会を開催して、最先端の話題提供を行なうとともに他分野の研究者との情報交換の場を提供してまいりました。これらの活動の成果を総覧する資料として、センター利用研究グループからご提供頂きました過去5年程度の期間の代表的な研究業績のリストを集積いたしました。データ収集にあたり、御多忙な中、皆様の御協力をいただいた事に感謝しております。利便性を考え、文字検索可能な形でのpdf版も作成してセンターホームページにて公開させていただきます。研究グループ間のさらなる交流促進に役立てていただければ幸いです。

2014年3月 低温物質科学研究センター センター長 吉村 一良

部局 / Labo Account と 研究グループ名

理学研究科・理学部

chebsc	生物構造化学研究室
chebun	分子構造
chehikari	光物理化学研究室
chehyoumen	表面化学
chekinso	金相学研究室
chekitagawa	北川研究室
chemaruoka	有機合成化学研究室
chembio	生物化学研究室
chemukibutsu	無機物質化学研究室
cheorgchem	有機化学研究室
cheshuyu	集合有機分子機能研究室
phyhikari	光物性研究室
phykotai2	固体電子物性
phyqm	固体量子物性
phyyao	不規則系物理研究室
scichordate	発生ゲノム科学研究室
sciganseki	岩石学研究室
scihousei	環境応答遺伝子科学
scinetsugaku	地球熱学研究施設 京都分室
sciplantphysiol	植物生理学
scipmg	植物分子遺伝学
scishichidalab	七田研究室

医学研究科・医学部

med4319	医学部消化器内科研究室
medcasmaterial	附属総合解剖センター
medCMB	分子病診療学
medhbrc	高次脳機能総合研究センター
medhes	環境衛生学
mediwataken	分子細胞情報学
medkogeka	腫瘍グループ
medmbs	高次脳形態学教室
medmcp	細胞機能制御学
medskproject	SKプロジェクト

薬学研究科・薬学部

phaseizo	薬品有機製造学・ケモゲノミクス分野
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工学研究科・工学部

engabelab	阿部研究室
engadvpolymA	先端機能高分子 A
engadvpolymB	先端機能高分子 B
engams	適応材料力学研究室
engaqua	表面処理工学研究室
engbiopolymer	生体機能高分子研究室
engchembio	生物有機化学講座

engcheme3	反応工学分野
engcheme6	材料プロセス工学研究室
engchujo	中条研究室
engehcc8	触媒設計工学
engepsehost	環境デザイン工学講座
engfemto	機能材料設計学講座
engfmehcc	機能性材料化学分野
enghikarikogaku	光工学研究室
engiPolymer	機能高分子合成研究室
engkitagawalab	機能化学研究室
engkouzou	無機構造化学分野（平尾研究室）
engmicroksys	ナノメトリックス工学研究室
engm-lab	松重研究室
engmol	光有機化学研究室
engmolcatal	田中庸裕研究室
engmori-lab	分子生物化学教室
engnanoprocess	光・電子理工学教育研究センター
engnishimoto	励起物質化学研究室
engnoda_lab	野田研究室
engohe	大江研究室
engoptomater	川上研究室
engorganometallic	有機金属化学分野
engoxide	集積機能工学研究室
engoyokotai	応用固体化学研究室
engphotochemical_reaction	光反応化学分野
engqpc	先端材料物性学
engradiation	中性子工学研究室
engrisk	環境リスク工学分野
engryoushi	量子材料学
engsbc9	跡見研究室
engseparation	分離工学分野
engskyline	推進工学研究室
engsojy	吉田研究室
engsuginomelab	有機設計学分野
engsupercond	超伝導工学研究室
engtabatalab	田畑研究室
engthermalphysics	熱物理工学分野
engtsujilab	触媒有機化学分野
engumeda	生体認識化学講座

農学研究科・農学部

agrbiotechnology	食品生物科学専攻/生物機能変換学分野(村田研)
agrcellorg	生物機能制御化学
agrchembio	生物材料化学分野
agrchemeco	化学生態学研究室
agrcompmaterial	複合材料化学研究室(西尾研)
agrEcoInf	生態情報開発学分野
agrenvmyco	微生物環境制御学研究室

agrfooddesignmc	品質設計開発学研究室
agrforbiology	森林生物学研究室
agrhakoseiri	発酵生理及び醸造学研究室
agririe	生命有機化学
agrjnutr	動物栄養科学
agrkaabag	動物遺伝育種学分野
agrplantpathology	植物病理学分野
agrreprod	生殖生物学研究室
agrseigyō	制御発酵学研究室
agrtropical	熱帯農業生態学研究室

人間環境学研究科・総合人間学部

humcatal	吉田寿雄研究室
humEM	運動医科学研究室
humfujiwara	藤原研究室
humgls	田部研究室
humhumtsue	津江研究室
humkogiso	岩石・地球化学研究室
hummaegawa	前川研究室
humplant	瀬戸口研究室
humyamaguchi	藤田研究室

エネルギー科学研究科

enefssc	機能固体化学研究室
enehagiwara	萩原研
eneHoshideLab	エネルギー材料設計分野
enematprocess	材料プロセス科学（高温プロセス）研究室
eneqep	量子エネルギープロセス分野

生命科学研究科

biocallus	全能性統御機構学分野
biofish	生命・石川研究室
bioidenshidoutai	遺伝子動態学研究室
bionegishilab	生体システム学分野

地球環境学堂

gespsjinkan	土屋研究室
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化学研究所

icrchembio	生体機能化学研究系 / ケミカルバイオロジー
icrelements	元素科学国際研究センター / 典型元素機能化学領域
icremcc	先端ビームナノ科学センター / 複合ナノ解析化学
icresakilab	環境物質化学研究系 / 分子微生物科学
icrfemto	元素科学国際研究センター / 光ナノ量子元素科学研究室
icrfutakilab	生体機能化学研究系 / 生体機能設計化学研究領域
icrhydrogen	物質創製化学研究系 / 構造有機化学領域
icrmolmat	環境物質化学研究系 / 分子材料化学研究領域
icrn2henmr	環境物質化学研究系 / 分子環境解析化学研究領域

icronolab	材料機能化学研究系 / ナノスピントロニクス
icror123	材料機能化学研究系 / 高分子制御合成化学領域
icrorganoelement	物質創製化学化学研究系 / 有機元素化学研究領域
icrshimakawa-lab	附属元素科学国際研究センター / 無機先端機能化学

再生医科学研究所

fmsbiomech	バイオメカニクス研究領域
fmssaibou3849	細胞機能調節学分野

エネルギー理工学研究所

iaebioenergy	エネルギー利用過程研究部門 / エネルギー構造生命科学
iaecrcp	エネルギー利用過程研究部門 / 複合化学過程研究分野
iaeQRE	エネルギー生成部門 / 量子放射エネルギー研究分野
iaet-morii	エネルギー利用過程部門 / 生物機能化学分野
生存圏研究所	
rishbmi	生存圏診断統御研究系 / バイオマス形態情報

ウイルス研究所

viranimal	動物施設
virganidenshi	がん遺伝子研究分野
virKageyama	増殖制御学分野
virRNA	情報高分子化学研究分野

原子炉実験所

rrikakuhousha	核放射物理学研究室
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iPS細胞研究所

iPSsaitoG	齊藤(博)研究室
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物質-細胞統合システム拠点

iCeMS_takano	高野研究室
iCeMSHeuserlab	Heuser 研究室
iCeMSkengakulab	見学研究室
iCemskkg	桂アイセムス北川研究室

低温物質科学研究センター

ltm_mms	分子性材料開拓・解析研究分野
ltmBioltm	学際低温応用分野研究室
ltmnano	ナノ量子物性研究室
ltmqhe	ナノ量子物性
ltmteion	低温物理学研究室

先端医工学研究ユニット

abeABERunit	分子プローブ合成研究室
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国際高等教育院

laskato_lab	加藤(立)研究室
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印刷体作成後 2014.3: 1件追加

理学研究科 化学専攻
生物構造化学研究室 chebsc

教授：三木 邦夫
講師：竹田 一旗
助教：藤橋 雅宏

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理学研究科 化学専攻
分子構造化学研究室 chebun

教授：竹腰 清乃理

講師：武田 和行

助教：野田 泰斗

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理学研究科 化学専攻
光物理化学研究室 chehikari

教授：寺嶋 正秀
准教授：熊崎 茂一
助教：中曾根 祐介

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Y. Nakasone, K. Zikihara, S. Tokutomi, M. Terazima

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理学研究科 化学専攻
表面化学研究室 chehyoumen

教授：有賀 哲也
准教授：奥山 弘
助教：八田 振一郎

"H-atom relay reactions in real space", T. Kumagai, A. Shiotari, H. Okuyama, S. Hatta, T. Aruga, I. Hamada, T. Frederiksen, and H. Ueba, *Nature Mat.* **11**, 167 (2012).

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理学研究科 化学専攻
金相学研究室 kinso

教授：吉村 一良
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助教：道岡 千城

"Spin Frustration and Field-Induced Transitions of Modified Pyrochlore Fluorides ACr_2F_6 ($A = Rb$ and Cs)", H. Ueda, A. Matsuo, K. Kindo, K. Yoshimura, *J. Phys. Soc. Jpn.*, **83**, 014701 (2014).

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理学研究科 化学専攻
固体物性化学研究室 chekitagawa

教授：北川 宏
准教授：前里 光彦
助教：大坪 主弥

- "Designer Co-ordination Polymers: Dimensional Crossover Architectures and Proton Conduction" T. Yamada, K. Otsubo, R. Makiura, H. Kitagawa, *Chem. Soc. Rev.*, **42**, 6655-6669 (2013)
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理学研究科 化学専攻
有機合成化学研究室 chemaruoka

教授：丸岡 啓二
講師：加納 太一
助教：橋本 卓也

- “Construction of a Chiral Quaternary Carbon Center by Catalytic Asymmetric Alkylation of 2-Arylcyclohexanones under Phase-Transfer Conditions” T. Kano, Y. Hayashi, K. Maruoka, *J. Am. Chem. Soc.*, **135**, 7134-7137 (2013).
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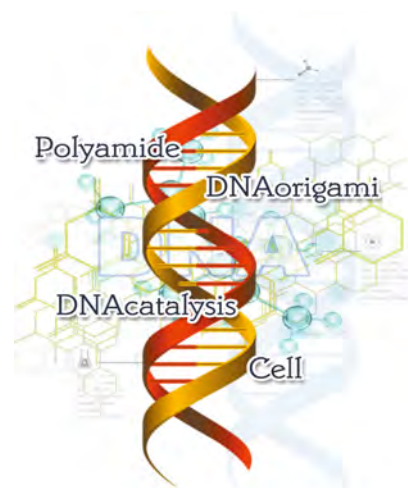
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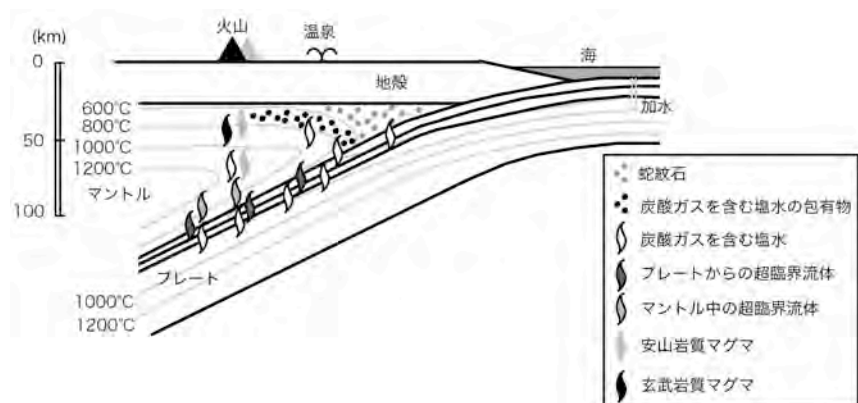
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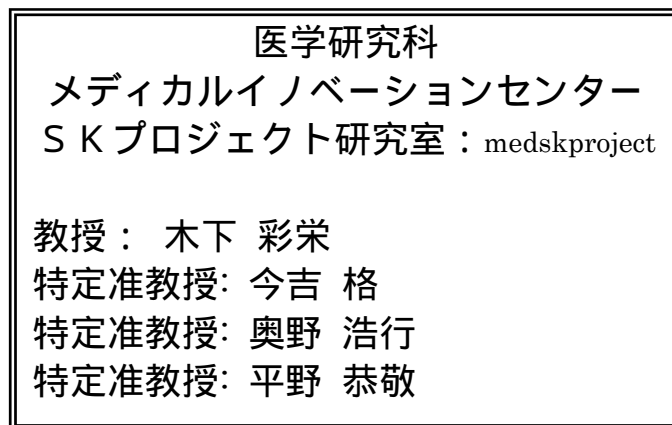
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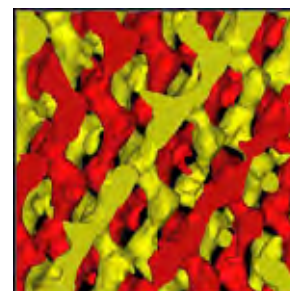
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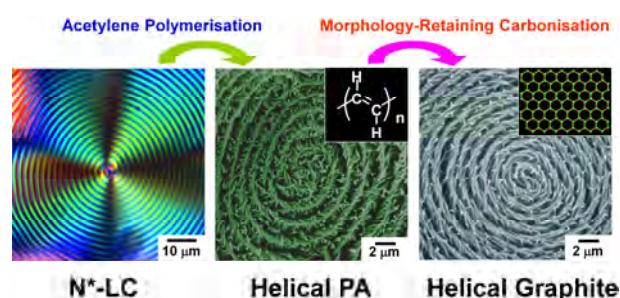
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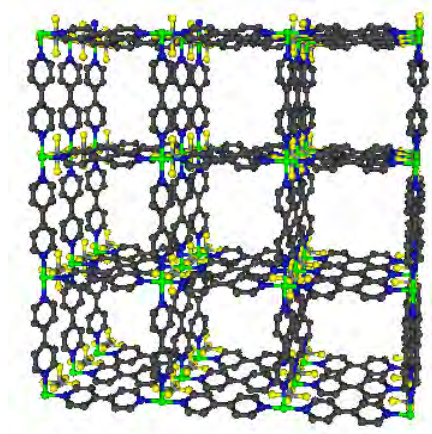
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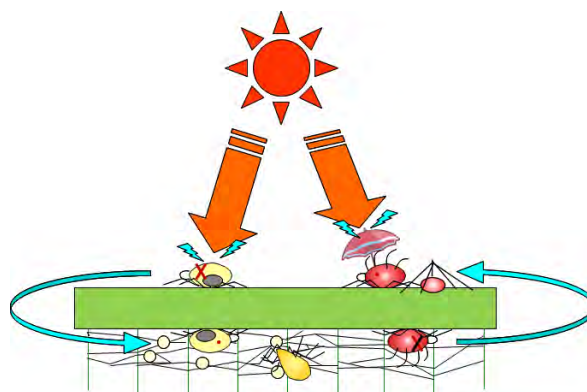
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教授：井鷲 裕司

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教授：小川 順

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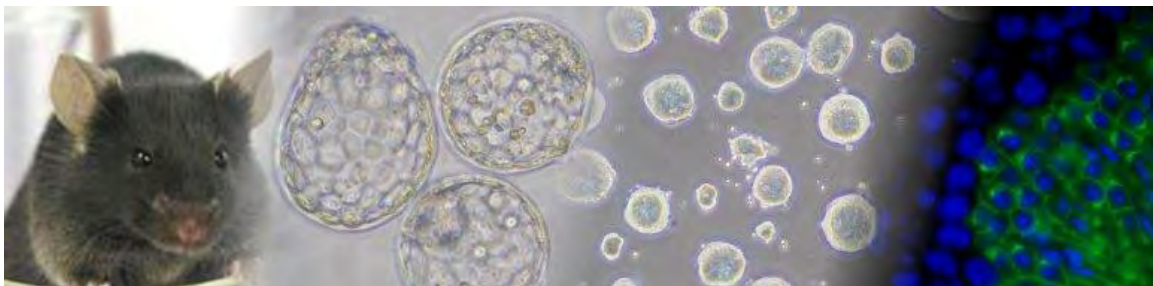
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助教：奥 公秀

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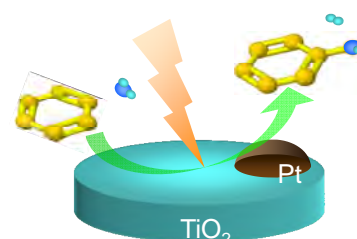
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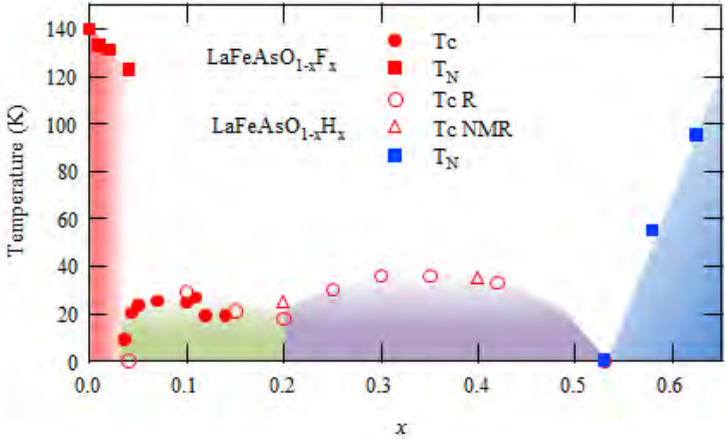
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助教：上田 純平

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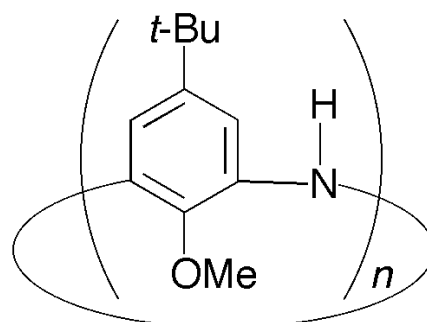
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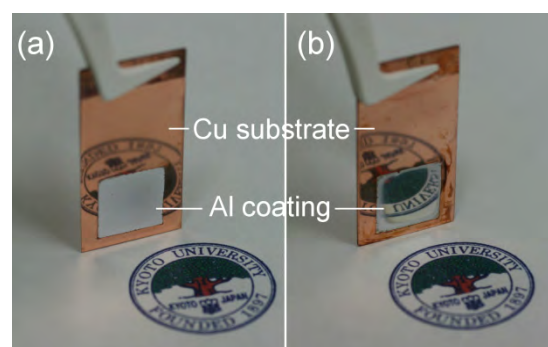
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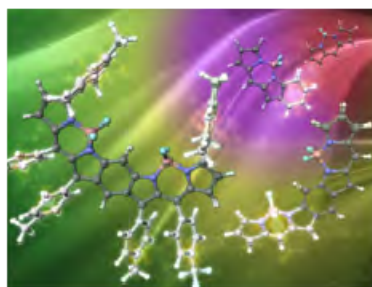
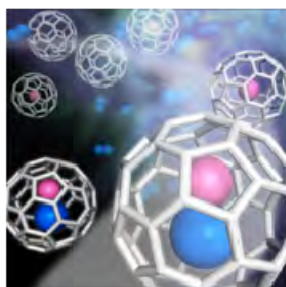
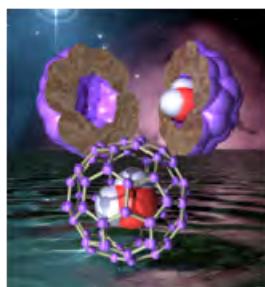
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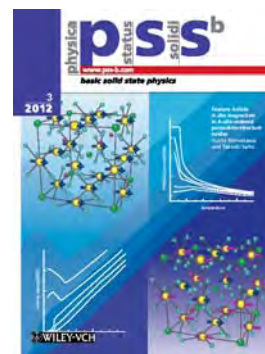
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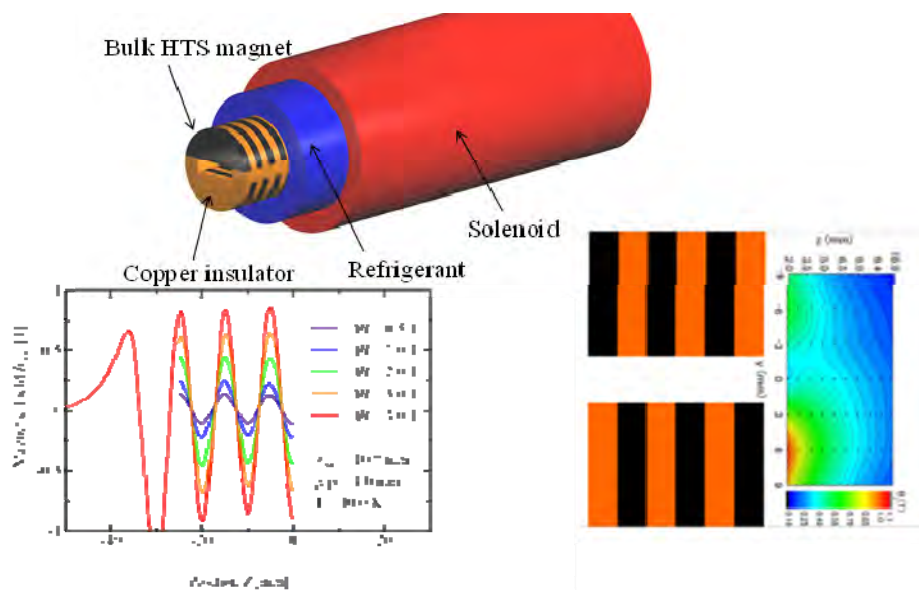
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教授： 大野 睦人
助教： 北畠 真
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教授： 瀬戸 誠
准教授： 北尾 真司
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非常勤研究員： 増田 亮

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特定助教：佐藤 弘志

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教授：矢持 秀起
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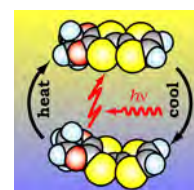
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准教授: 佐藤 智

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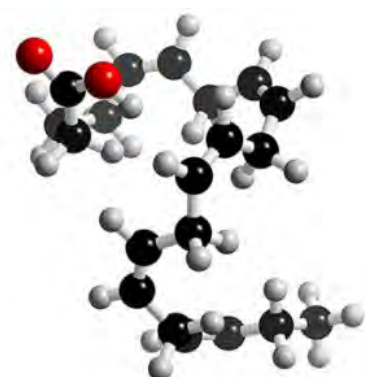
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教授：寺嶋 孝仁

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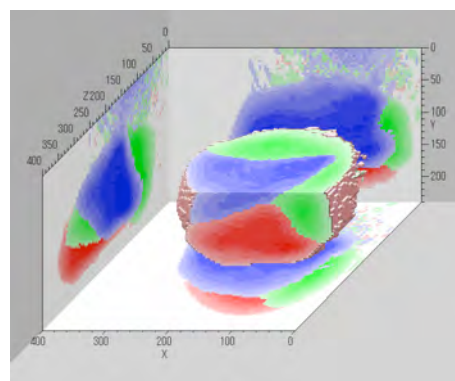
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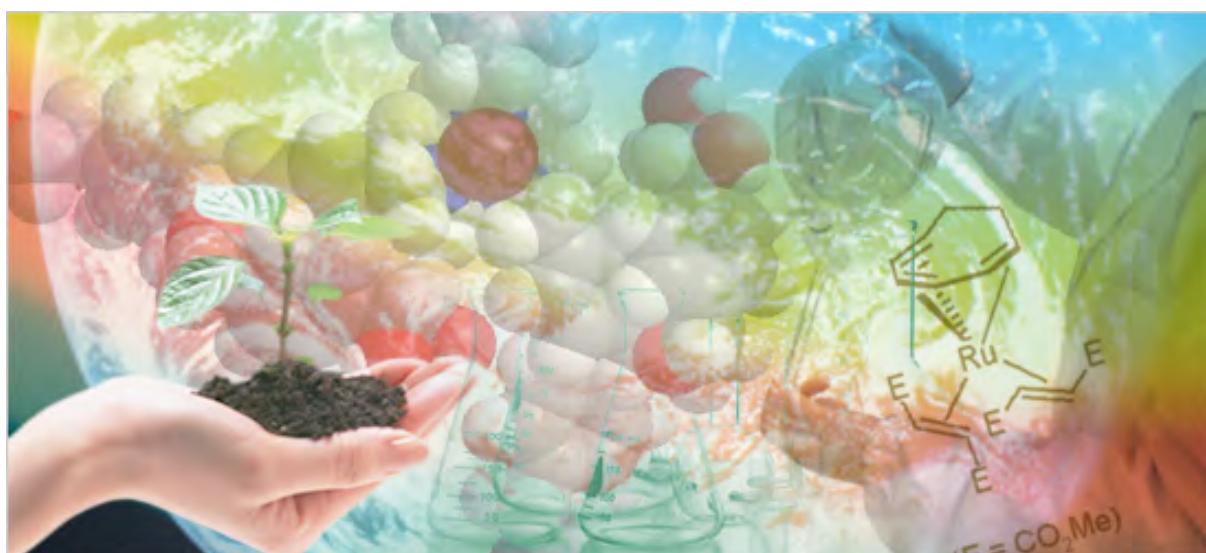
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