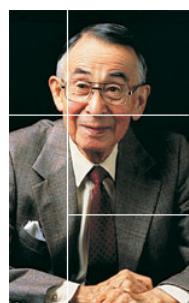
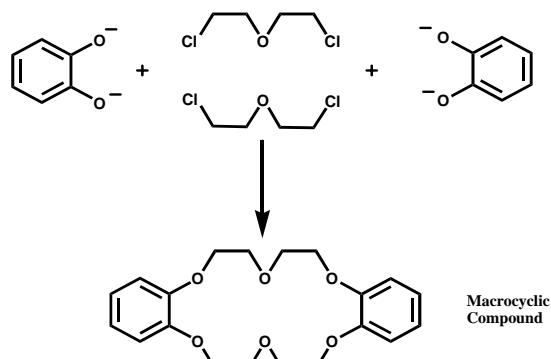


分子認識ゲルの基本技術の発見



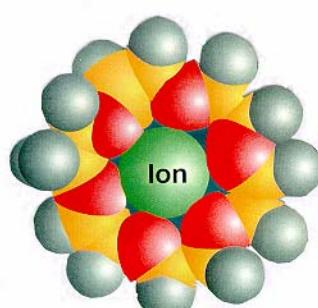
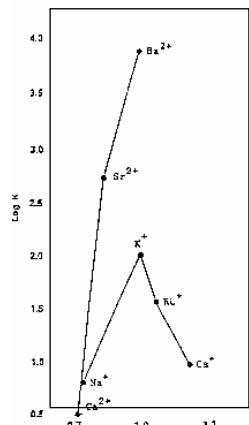
Pedersen博士

PEDERSEN'S NOBEL PRIZE CONTRIBUTION



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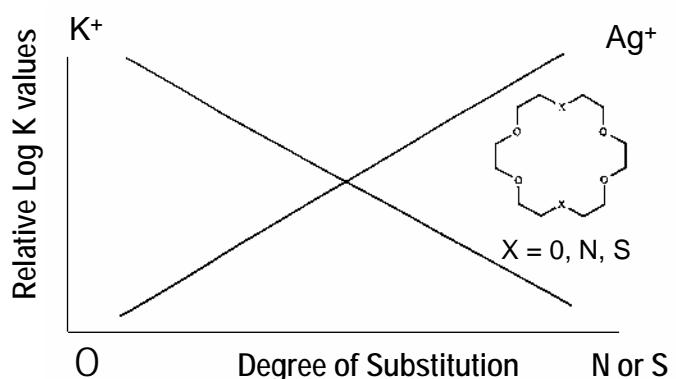
分子サイズの認識



Selectivity of 18C6: $\log K$ values for reaction of 18C6 with metal cations in water at 25°C vs. the ratio of the ionic cation radius to the 18C6 cavity radius. The low K value for Ca^{2+} is reported as <0.5.

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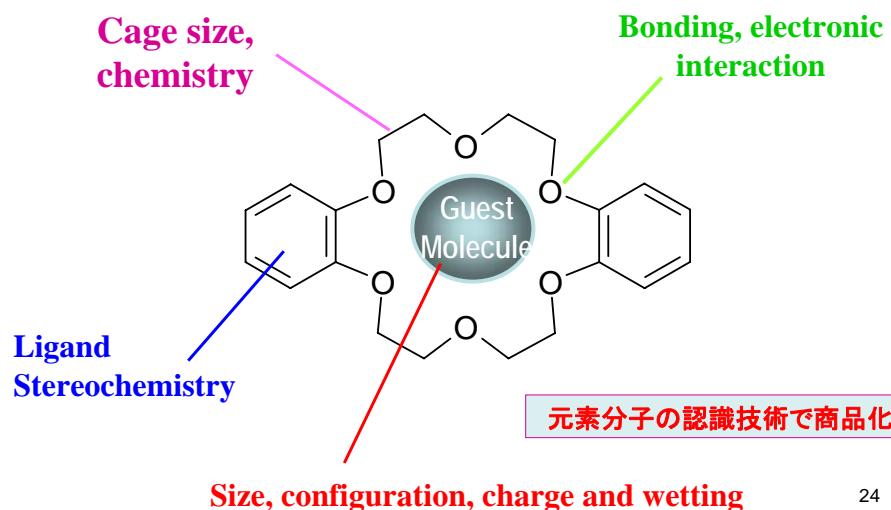
元素選択性



Change of selectivity as measured by log K for M^+ -ligand donor atom.
Where $X=0$, K^+ forms the most stable complex. Where $X=N$ or S , Ag^+ forms the most stable complex.

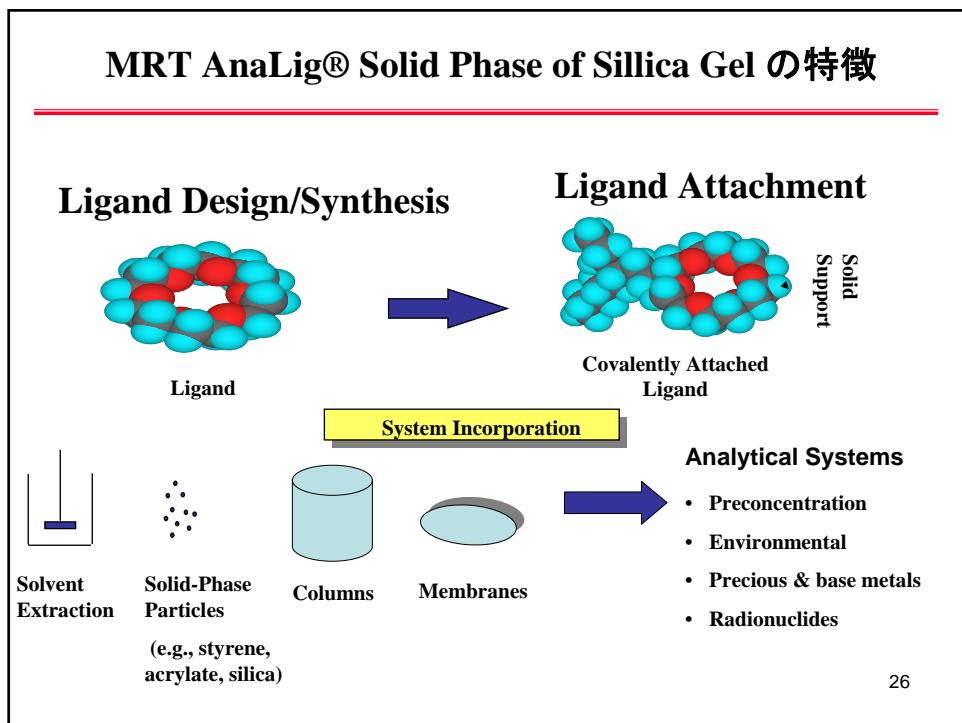
23

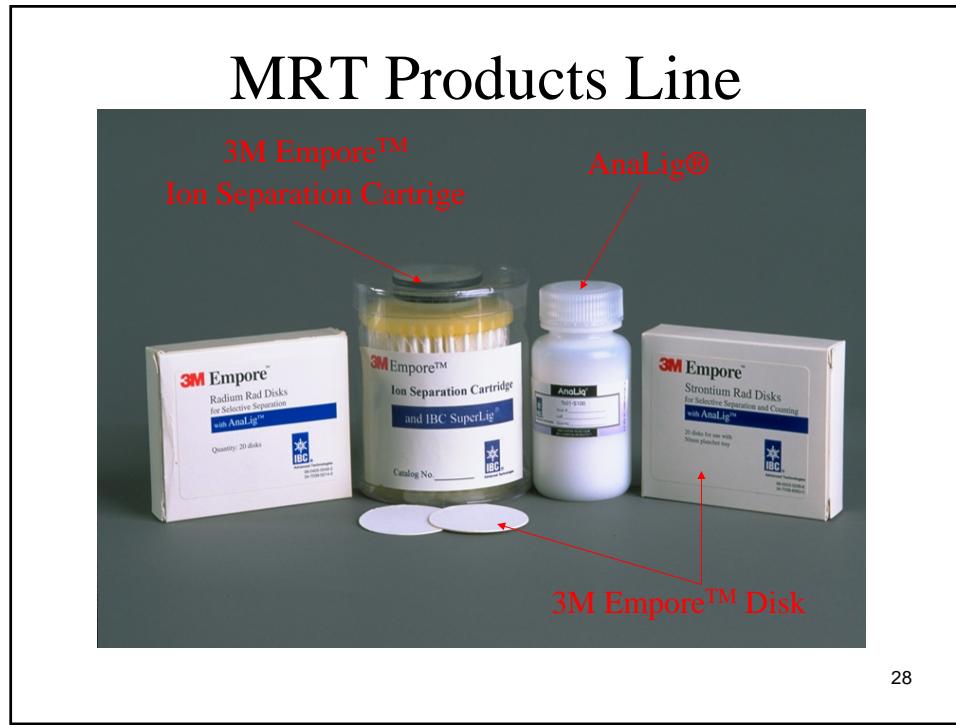
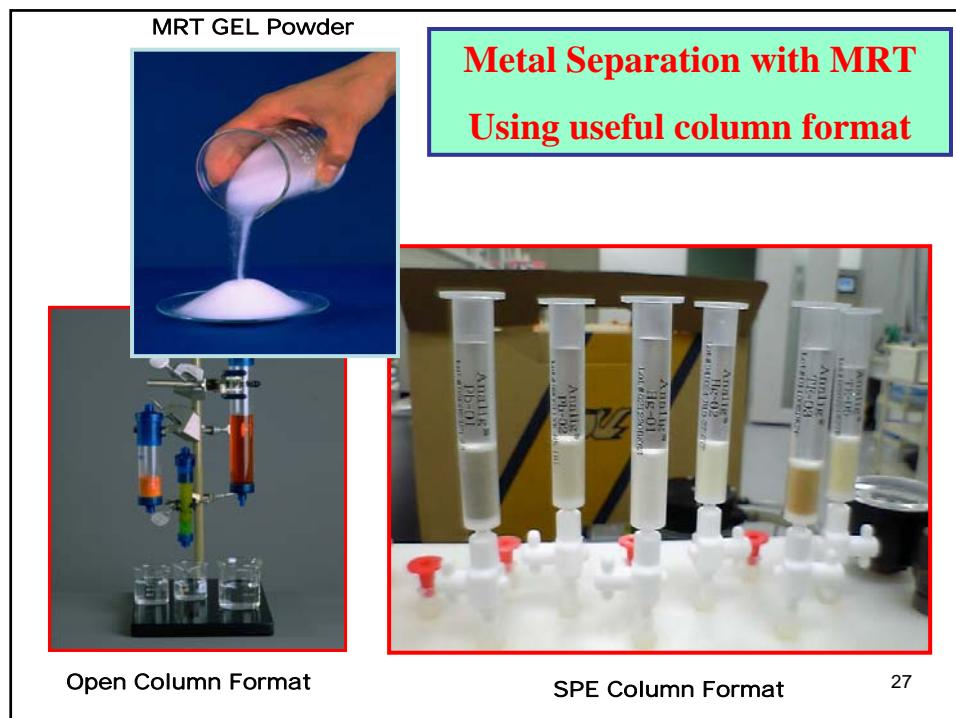
Molecular Recognition Technology (分子認識 MRT) とは?



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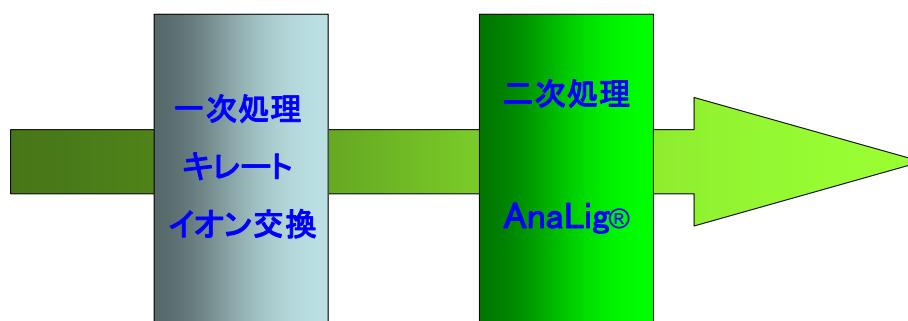
商品化された分子認識固相抽出製品の対応元素一覧																		
	IA	IIA	IIIA	IVA	VA	VIA	VIIA	VIII			IR	IIR	IIIR	IVR	VR	VIR	VIIIR	O
1	H																	He
2	Li	Be						B	C	N	O	F						Ne
3	Na	Mg						Al	Si	P	S	Cl						Ar
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
7	Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub		Uuq		Uuh		Uuo
	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu			
	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Fr			
	AnaLig Series 青字 AnaLigで専用ゲルがあるもの Comercial Bench Work																	





MRT AnaLig®の利用で

タンデム固相抽出：高度な精製



全段で汚れをカット：AnaLig®を長期再生利用₂₉

分子認識固相抽出評価例

- MRT-SPEを利用した高マトリックス中からのPbの抽出
- MRT-SPEを利用した環境水中Hgの抽出