

Ionenradien der Lanthanoide (nach Huheey, Keiter, Keiter, Anorganische Chemie)

| Element | OZ | Ionenladung | Koordinationszahl | Radius [pm] |
|------------|----|-------------|-------------------|-------------|
| Scandium | 21 | 3+ | 6 | 88,5 |
| | | 3+ | 8 | 101 |
| Yttrium | 39 | 3+ | 6 | 104 |
| | | 3+ | 7 | 110 |
| | | 3+ | 8 | 116 |
| | | 3+ | 9 | 121,5 |
| Lanthan | 57 | 3+ | 6 | 117,2 |
| | | 3+ | 7 | 124 |
| | | 3+ | 8 | 130 |
| | | 3+ | 9 | 135,6 |
| | | 3+ | 10 | 141 |
| | | 3+ | 12 | 150 |
| Cer | 58 | 3+ | 6 | 115 |
| | | 3+ | 7 | 121 |
| | | 3+ | 8 | 128,3 |
| | | 3+ | 9 | 133,6 |
| | | 3+ | 10 | 139 |
| | | 3+ | 12 | 148 |
| | | 4+ | 6 | 101 |
| | | 4+ | 8 | 111 |
| Praseodym | 59 | 4+ | 10 | 121 |
| | | 4+ | 12 | 128 |
| | | 3+ | 6 | 113 |
| | | 3+ | 8 | 126,6 |
| | | 3+ | 9 | 131,9 |
| | | 4+ | 6 | 99 |
| Neodym | 60 | 4+ | 8 | 110 |
| | | 2+ | 8 | 143 |
| | | 2+ | 9 | 149 |
| | | 3+ | 6 | 112,3 |
| | | 3+ | 8 | 124,9 |
| | | 3+ | 9 | 130,3 |
| Promethium | 61 | 3+ | 12 | 141 |
| | | 3+ | 6 | 111 |
| | | 3+ | 8 | 123,3 |
| | | 3+ | 9 | 128,4 |
| Samarium | 62 | 2+ | 7 | 136 |
| | | 2+ | 8 | 141 |
| | | 2+ | 9 | 146 |
| | | 3+ | 6 | 109,8 |
| | | 3+ | 7 | 116 |
| | | 3+ | 8 | 121,9 |
| | | 3+ | 9 | 127,2 |
| | | 3+ | 12 | 138 |
| Europium | 63 | 2+ | 6 | 131 |
| | | 2+ | 7 | 134 |
| | | 2+ | 8 | 139 |
| | | 2+ | 9 | 144 |
| | | 2+ | 10 | 149 |
| | | 3+ | 6 | 108,7 |
| | | 3+ | 7 | 115 |
| | | 3+ | 8 | 120,6 |
| | | 3+ | 9 | 126 |

